

CHASE COPPER TUBE SWEAT FITTINGS

PRICE LIST S-4
EFFECTIVE APRIL 1, 1936

Form No. A-211



Chase Sweat Fittings—List Price Per Fitting

	3/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"
COUPLINGS																		
C to C—Wrought	\$.05	\$.06	\$.08	\$.11	\$.12	\$.15	\$.20	\$.24	\$.28	\$.46	\$.65	\$ 1.30	\$ 1.50	\$ 2.50	\$ 4.00	\$ 8.00		
C to C—Cast		† .14	† .16	† .18		† .24	† .32	† .50	† .60	† .90	2.00	2.50	3.50	7.00	10.00	13.00	19.00	55.00
Eccentric—C to C—Cast						† .32	† .50		† .90	1.30	2.50	3.50	7.00					
Crossover—C to C—Cast				.32		† .50												
UNIONS—Cast																		
C to C			.55	.60	.70	.75	.94	1.12	1.56	1.87	5.50	13.95	18.10					
C to S.P.S. Thread (M. & F.)			.72	.85		1.05	1.30	1.90	2.50	3.50								
ADAPTERS & STREET ADAPTERS																		
C to S.P.S. Thread—Wrought		.14	.16	.18	.21	.24	.32	.50	.60	.90	2.00	2.50	3.50	7.00	10.00	13.00	19.00	
C to S.P.S. Thread—Cast	.07		.16	.18		.24	.32											
ELBOWS—45° and 90°																		
C to C—Wrought	.10	.14	.16	.20	.24	.28	.40	.55	.70	1.00	1.65	3.40	4.50	9.50	14.50	20.00	28.00	70.00
C to C—Cast			.16	.20		.28	.40	.55	.70	1.00	1.65	3.40	4.50	9.50	14.50	20.00	28.00	70.00
C to S.P.S. Thread—Cast			.17	.25		.37	.50	.60	.70	1.00	1.65	3.40	4.50	9.50	14.50	20.00	28.00	70.00
Drop Ear—Cast			.26	.38		.57												
Flanged—Cast				.36														
UNION ELBOWS																		
Copper to Male S.P.S.—Cast			.83	1.10		1.54	1.98	2.70	3.47	5.12								
Copper to Female S.P.S.—Cast			.75	1.00		1.40	1.80	2.45	3.15	4.65								
RETURN BENDS																		
C to C—Wrought			.19	.26	.28	.30	.55	.85	1.05	1.80								
TEES																		
Forged		.17																
Saddle Type—Wrought			.10	.12	.15	.19	.24	.33	.50	.72								
C to C—Wrought			.20	.24	.31	.38	.55	.75	1.00	1.50	2.00	3.00	4.00	12.50	20.00	32.00	45.00	100.00
C to C—Cast			.20	.24		.38	.55	.75	1.00	1.50	2.00	3.00	4.00	12.50	20.00	32.00	45.00	100.00
C to S.P.S. Thread—Cast			.20	.24		.38	.55	.75	1.00	1.50	2.00	3.00	4.00	12.50	20.00	32.00	45.00	100.00
CAPS—Wrought		.06	.08	.11	.12	.15	.20	.24	.28	.46	.65	.85	1.30	1.50				
PLUGS—Cast			.08	.11		.15	.20	.24	.60	.90	1.30	2.00	2.50	7.00	10.00			
BUSHINGS or REDUCERS																		
C to C (Long)								.50	.60	.90	1.30	2.00	2.50	7.00	10.00			
C to C (Flush)	.06		.08	.11	.12	.15	.32	.40	.45	.70	1.00	1.50	2.00					
RANGE BOILER FITTING																		
Elbow—C to S.P.S. Thread—Cast				.40		.40												
Coupling—C to S.P.S. Thread—Cast				.32		.32												
CROSSES			.32	.36		.65	.90	1.15	1.50	2.00	3.00	4.50	6.00	7.50	27.00			
C to C to C—Cast																		
STOP and WASTE			.90	1.00		1.15	2.00											
STOP WITHOUT WASTE			.85	.95		1.10	1.90	3.20	4.50	6.50								
GATE VALVES																		
Without Waste			1.40	1.50		1.75	2.40	3.20	4.50	6.50	10.60	15.00	28.00	31.75				
With Waste			1.65	1.75		2.00	2.65	3.45	4.75	6.75								
FLANGES and EXPANSION JOINTS																		
Expansion Joint—Less Pack g—Cast							2.20	2.60	3.80	4.30	9.00	12.00	20.00	32.50	40.00			
Flanged Union M.I.F. Pattern—Cast							2.00	2.50	3.00	3.50	5.00	7.50	10.50	13.00	16.00			
FLANGES—Standard Companion																		
A.S.M.E. Drilling—Cast							1.00	1.25	1.50	1.75	2.50	3.75	4.20	5.25	8.00			
A.S.M.E. Drilling—Cast												3.25	4.50	5.50	7.00	11.50	15.50	25.00
Bronze Insert—Cast Iron Ring																		
FLANGES																		
R.P.M. Standard—Cast												3.00	3.50	4.25	5.25	6.75	9.50	13.00
SIZING TOOLS			.65	.80	.90	.95	1.10	2.15	2.70	3.60								
COPPER TUBE STRAPS Per 1000		18.00	22.50	25.00	30.00	34.50	41.60	64.00	74.00	94.00								
TEMPLATE only			.25	.30	.32	.35	.40	.60	.70	.95								
TEMPLATE PLUS 3 BLADES			.73	.78	.80	.83	.88	1.08	1.18	1.43								
SOLDERING FLUX—2 oz. can																		
STEEL WOOL—One Package (12 oz.)																		
SPECIAL 95-5 WIRE SOLDER—One Pound Spool																		

50-50 WIRE SOLDER—One Pound Spool \$0.80
HACKSAW BLADES—\$0.20 each—\$1.90 Per doz

*Special fittings made to order.

REDUCING FITTINGS TAKE THE PRICE OF THE LARGEST DIMENSION.



How To Use This Price List

Ordering

Order by Style Number and Nominal Size.

Article Numbers

Article Numbers have been included for the benefit of customers who wish to incorporate definite article numbers in their blueprints or specifications.

Actual Sizes

Actual sizes are shown for the guidance of refrigeration dealers or others who are in the habit of specifying according to the outside diameter of the tube. These sizes should not be used in ordering unless such orders are definitely marked "Actual Sizes" or "O. D. Sizes."

Refrigeration Fittings

The Price List indicates which items are Wrought and Cast, so that the former may be selected for refrigeration and air conditioning. On items not available in Wrought construction, some have successfully used Cast items tinned inside and outside, which can be supplied subject to delivery in about one week.

Special Fittings

Cast Tees, male pipe thread on the run, or other Cast Fittings with pipe threads, also special reducing sizes of Cast Fittings can be supplied at regular prices, subject to about two weeks delivery. Orders should clearly indicate where the reduction is to be made, and whether pipe threads are to be Male or Female. Special sizes of Wrought Fittings can not, as a rule, be furnished, as special tools would be involved. Reductions on stock items may be accomplished with No. 417 Reducers, and threaded outlets on stock items may be provided by the use of No. 403-S, No. C-403-S, No. 404-S or No. C-404-S Street Adapters.

Fittings—8 inches and Larger

See Page 18.

Code Words

Telegraphic orders may be coded as follows:

Use the prefix "X" for any items in this Price List, followed by four letters indicating the article number according to the following key:

A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	0

For example: Style Number C-411— $\frac{3}{8}$ in. nominal size Tee, which bears the article number 3974, would be coded as XCIGD.

Roughing-in Dimensions

Consult catalog described on Page 22 or write for charts.

Terms

Net cash 30 days, or 1 per cent discount for cash for payment as follows: bills dated the 1st to the 15th inclusive, if paid on or before the 25th of the month; bills dated the 16th to and including the last day of the month, if paid on or before the 10th of the following month. Bills will be dated the day of shipment.

On accounts not paid within 30 days from the end of the month in which bills are rendered, interest will be charged at the rate of 6 per cent per annum beginning on the first of the month following the date on which payment is due, but no interest amounting to less than \$1 will be charged. Bills for such interest will be rendered monthly.

Freight

Freight will be prepaid on single shipments of 100 pounds net or more of either Tubing or Fittings. Combined shipments of Tubing and Fittings of 100 pounds or more will be prepaid if net weight of Tubing is at least 100 pounds. The above applies on shipments to any one destination in the United States with the understanding that the Shipper reserves the right to control the routing.

Returns

No material is to be returned without our written permission.



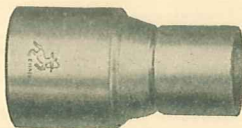
Couplings



Style No. 401

WROUGHT COUPLING

Article No.	Nominal Size	Actual Size	List Price
4177	1/8"	1/4"	\$0.05
4178	1/4"	3/8"	.06
4088	3/8"	1/2"	.08
4089	1/2"	5/8"	.11
4179	5/8"	3/4"	.12
4090	3/4"	7/8"	.15
4220	7/8"	1"	.18
4091	1"	1 1/8"	.20
4092	1 1/4"	1 3/8"	.24
4093	1 1/2"	1 5/8"	.28
4094	2"	2 1/8"	.46
4095	2 1/2"	2 5/8"	.65
4096	3"	3 1/8"	.85
4097	3 1/2"	3 5/8"	1.30
4098	4"	4 1/8"	1.50
4230	5"	5 1/8"	2.50
4231	6"	6 1/8"	4.00
4232	8"	8 1/8"	8.00



Style No. 401-R

WROUGHT REDUCING COUPLING

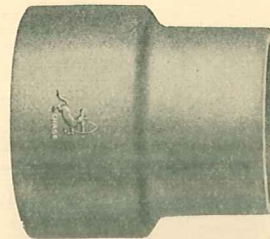
Article No.	Nominal Size	Actual Size	List Price
4124	1/4" x 1/8"	3/8" x 1/4"	\$0.06
3771	3/8" x 1/4"	1/2" x 3/8"	.08
3611	1/2" x 3/8"	5/8" x 1/2"	.11
3871	5/8" x 1/4"	3/4" x 3/8"	.12
3870	5/8" x 3/8"	3/4" x 1/2"	.12
3869	5/8" x 1/2"	3/4" x 5/8"	.12
3612	3/4" x 3/8"	7/8" x 1/2"	.15
3613	3/4" x 1/2"	7/8" x 5/8"	.15
4222	3/4" x 5/8"	7/8" x 3/4"	.15
3614	1" x 3/8"	1 1/8" x 1/2"	.20
3615	1" x 1/2"	1 1/8" x 5/8"	.20
3867	1" x 5/8"	1 1/8" x 3/4"	.20
3616	1" x 3/4"	1 1/8" x 7/8"	.20
4218	1" x 7/8"	1 1/8" x 1"	.20
3617	1 1/4" x 3/8"	1 3/8" x 1/2"	.24
3618	1 1/4" x 1/2"	1 3/8" x 5/8"	.24
3866	1 1/4" x 5/8"	1 3/8" x 3/4"	.24
3619	1 1/4" x 3/4"	1 3/8" x 7/8"	.24
3620	1 1/4" x 1"	1 3/8" x 1 1/8"	.24
3621	1 1/2" x 3/8"	1 5/8" x 1/2"	.28
3622	1 1/2" x 1/2"	1 5/8" x 5/8"	.28
3865	1 1/2" x 5/8"	1 5/8" x 3/4"	.28
3623	1 1/2" x 3/4"	1 5/8" x 7/8"	.28

(Continued)

WROUGHT REDUCING COUPLING (Cont.)

Style No. 401-R

Article No.	Nominal Size	Actual Size	List Price
3624	1 1/2" x 1"	1 5/8" x 1 1/8"	\$0.28
3625	1 1/2" x 1 1/4"	1 5/8" x 1 3/8"	.28
3626	2" x 3/8"	2 1/8" x 1/2"	.46
3627	2" x 1/2"	2 1/8" x 5/8"	.46
3864	2" x 5/8"	2 1/8" x 3/4"	.46
3628	2" x 3/4"	2 1/8" x 7/8"	.46
3629	2" x 1"	2 1/8" x 1 1/8"	.46
3630	2" x 1 1/4"	2 1/8" x 1 3/8"	.46
3631	2" x 1 1/2"	2 1/8" x 1 5/8"	.46
4172	3" x 2"	3 1/8" x 2 1/8"	.85

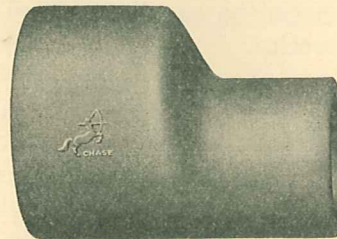


Style No. C-401-R

CAST COUPLING

For Sizes over 2 inch

Article No.	Nominal Size	Actual Size	List Price
3773	2 1/2" x 2"	2 5/8" x 2 1/8"	\$1.30
3775	3" x 2 1/2"	3 1/8" x 2 5/8"	2.00
3777	3 1/2" x 3"	3 5/8" x 3 1/8"	2.50



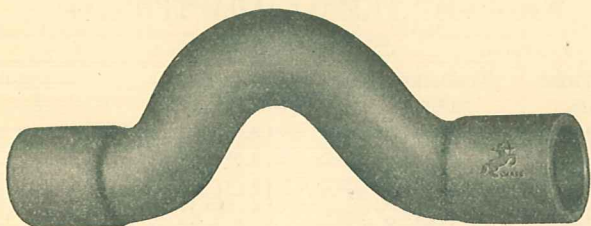
Style No. 401-E. C.

CAST ECCENTRIC COUPLING

Article No.	Nominal Size	Actual Size	List Price
3912	3/4" x 1/2"	7/8" x 5/8"	\$0.32
3913	1" x 3/4"	1 1/8" x 7/8"	.50
3914	1 1/4" x 3/4"	1 3/8" x 7/8"	.60
3915	1 1/4" x 1"	1 3/8" x 1 1/8"	.60
3916	1 1/2" x 1"	1 5/8" x 1 1/8"	.90
3917	1 1/2" x 1 1/4"	1 5/8" x 1 3/8"	.90
3918	2" x 1 1/4"	2 1/8" x 1 3/8"	1.30
3919	2" x 1 1/2"	2 1/8" x 1 5/8"	1.30
3920	2 1/2" x 2"	2 5/8" x 2 1/8"	2.00
3921	3" x 2"	3 1/8" x 2 1/8"	2.50
3922	3" x 2 1/2"	3 1/8" x 2 5/8"	2.50
3923	3 1/2" x 3"	3 5/8" x 3 1/8"	3.50
3924	4" x 3"	4 1/8" x 3 1/8"	7.00
3925	4" x 3 1/2"	4 1/8" x 3 5/8"	7.00



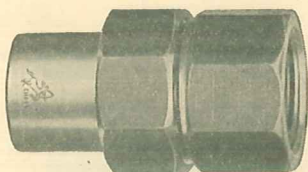
Couplings and Unions



Style No. C-436

CAST CROSS-OVER COUPLING

Article No.	Nominal Size	Actual Size	List Price
2226	1/2"	5/8"	.32

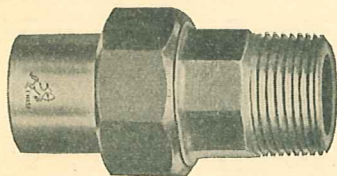


Style No. C-402-F

CAST UNION

Copper to Female S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2023	3/8"	1/2"	\$0.72
2024	1/2"	5/8"	.85
2025	3/4"	7/8"	1.05
2026	1"	1 1/8"	1.30
2027	1 1/4"	1 3/8"	1.90
2028	1 1/2"	1 5/8"	2.50
2029	2"	2 1/8"	3.50



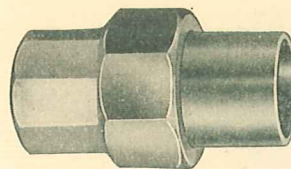
Style No. C-402-M

CAST UNION

Copper to Male S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2030	3/8"	1/2"	\$0.72
2031	1/2"	5/8"	.85
2032	3/4"	7/8"	1.05
2033	1"	1 1/8"	1.30
2034	1 1/4"	1 3/8"	1.90
2035	1 1/2"	1 5/8"	2.50
2036	2"	2 1/8"	3.50

Companion Flanges and Flanged Unions. See page 19.



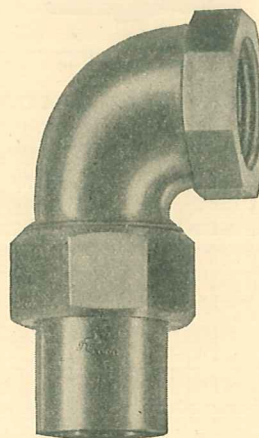
Style No. C-402

CAST UNION

Copper to Copper

For Sizes up to 4 inch

Article No.	Nominal Size	Actual Size	List Price
2011	3/8"	1/2"	\$0.55
2012	1/2"	5/8"	.60
2013	5/8"	3/4"	.70
2014	3/4"	7/8"	.75
2015	1"	1 1/8"	.94
2016	1 1/4"	1 3/8"	1.12
2017	1 1/2"	1 5/8"	1.56
2018	2"	2 1/8"	1.87
2019	2 1/2"	2 5/8"	5.50
2020	3"	3 1/8"	8.65
2021	3 1/2"	3 5/8"	13.95
2022	4"	4 1/8"	18.10



Style No. C-408-U

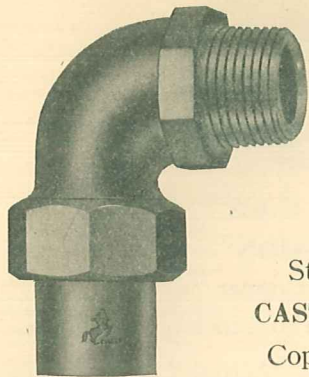
CAST UNION ELBOW

Copper to Female S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2126	3/8"	1/2"	\$0.75
2127	1/2"	5/8"	1.00
2128	3/4"	7/8"	1.40
2129	1"	1 1/8"	1.80
2130	1 1/4"	1 3/8"	2.45
2131	1 1/2"	1 5/8"	3.15
2132	2"	2 1/8"	4.65



Unions and Adapters

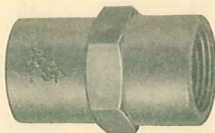


Style No. C-409-U

CAST UNION ELBOW

Copper to Male S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2188	3/8"	1/2"	\$0.83
2189	1/2"	5/8"	1.10
2190	3/4"	7/8"	1.54
2191	1"	1 1/8"	1.98
2192	1 1/4"	1 3/8"	2.70
2193	1 1/2"	1 5/8"	3.47
2194	2"	2 1/8"	5.12



Style No. 403

WROUGHT FEMALE ADAPTER

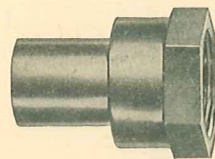
Article No.	Nominal Size	Actual Size	List Price
4125	1/8" Cx 1/8" SPS	1/4" Cx 1/8" SPS	\$0.07
4126	1/4" Cx 1/8" SPS	3/8" Cx 1/8" SPS	.14
3741	1/4" Cx 1/4" SPS	3/8" Cx 1/4" SPS	.14
3738	3/8" Cx 1/4" SPS	1/2" Cx 1/4" SPS	.16
3507	3/8" Cx 3/8" SPS	1/2" Cx 3/8" SPS	.16
3683	3/8" Cx 1/2" SPS	1/2" Cx 1/2" SPS	.18
3684	3/8" Cx 3/4" SPS	1/2" Cx 3/4" SPS	.24
3739	1/2" Cx 1/4" SPS	5/8" Cx 1/4" SPS	.18
3649	1/2" Cx 3/8" SPS	5/8" Cx 3/8" SPS	.18
3508	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	.18
3685	1/2" Cx 3/4" SPS	5/8" Cx 3/4" SPS	.24
3687	1/2" Cx 1" SPS	5/8" Cx 1" SPS	.32
3650	3/4" Cx 3/8" SPS	7/8" Cx 3/8" SPS	.24
3651	3/4" Cx 1/2" SPS	7/8" Cx 1/2" SPS	.24
3509	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.24
3688	3/4" Cx 1" SPS	7/8" Cx 1" SPS	.32
3653	1" Cx 1/2" SPS	1 1/8" Cx 1/2" SPS	.32
3654	1" Cx 3/4" SPS	1 1/8" Cx 3/4" SPS	.32
3510	1" Cx 1" SPS	1 1/8" Cx 1" SPS	.32
3692	1" Cx 1 1/4" SPS	1 1/8" Cx 1 1/4" SPS	.50
3656	1 1/4" Cx 1 1/2" SPS	1 3/8" Cx 1 1/2" SPS	.50
3657	1 1/4" Cx 3/4" SPS	1 3/8" Cx 3/4" SPS	.50
3658	1 1/4" Cx 1" SPS	1 3/8" Cx 1" SPS	.50

(Continued)

WROUGHT FEMALE ADAPTER (Cont.)

Style No. 403

Article No.	Nominal Size	Actual Size	List Price
3511	1 1/4" Cx 1 1/4" SPS	1 3/8" Cx 1 1/4" SPS	\$0.50
3695	1 1/4" Cx 1 1/2" SPS	1 3/8" Cx 1 1/2" SPS	.60
3661	1 1/2" Cx 1 1/4" SPS	1 5/8" Cx 1 1/4" SPS	.60
3512	1 1/2" Cx 1 1/2" SPS	1 5/8" Cx 1 1/2" SPS	.60



Style No. 403-S

FEMALE STREET ADAPTER

Wrought

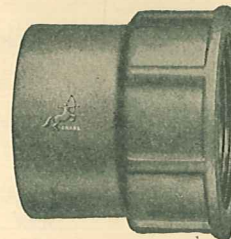
Article No.	Nominal Size	Actual Size	List Price
3766	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	\$0.18
3700	1/2" Cx 3/8" SPS	5/8" Cx 3/8" SPS	.18
3768	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.24

Cast

Style No. C-403-S

2177	3/8" Cx 3/8" SPS	1/2" Cx 3/8" SPS	.16
2178	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	.18
2179	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.24
2041	1" Cx 1" SPS	1 1/8" Cx 1" SPS	.32
2042	1 1/4" Cx 1 1/4" SPS	1 3/8" Cx 1 1/4" SPS	.50
2043	1 1/2" Cx 1 1/2" SPS	1 5/8" Cx 1 1/2" SPS	.60
2044	2" Cx 2" SPS	2 1/8" Cx 2" SPS	.90
3852	2 1/2" Cx 2 1/2" SPS	2 5/8" Cx 2 1/2" SPS	1.30
2185	3" Cx 3" SPS	3 1/8" Cx 3" SPS	2.00
2186	4" Cx 4" SPS	4 1/8" Cx 4" SPS	3.50

On 403-S and C-403-S Street Adapters the copper end is machined for slipping into another fitting.



Style No. C-403

CAST FEMALE ADAPTER

Article No.	Nominal Size	Actual Size	List Price
4079	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	\$0.18
4081	1/2" Cx 3/4" SPS	5/8" Cx 3/4" SPS	.24
4080	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.24

(Continued on Page 7)



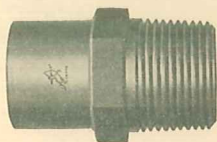
Adapters

CAST FEMALE ADAPTER

Style No. C-403

(Continued from Page 6)

Article No.	Nominal Size	Actual Size	List Price
4082	3/4" Cx1 1/2" SPS	7/8" Cx1 1/2" SPS	.24
3968	3/4" Cx1" SPS	7/8" Cx1" SPS	.32
3969	1" Cx1" SPS	1 1/8" Cx1" SPS	.32
3970	1" Cx3/4" SPS	1 1/8" Cx3/4" SPS	.32
2184	1" Cx1 1/2" SPS	1 1/8" Cx1 1/2" SPS	.32
3971	1 1/4" Cx1 1/4" SPS	1 3/8" Cx1 1/4" SPS	.50
3972	1 1/2" Cx1 1/2" SPS	1 5/8" Cx1 1/2" SPS	.60
3973	2" Cx2" SPS	2 1/8" Cx2" SPS	.90
3852	2 1/2" Cx2 1/2" SPS	2 5/8" Cx2 1/2" SPS	1.30
2038	3" Cx3" SPS	3 1/8" Cx3" SPS	2.00
2039	3 1/2" Cx3 1/2" SPS	3 5/8" Cx3 1/2" SPS	2.50
2040	4" Cx4" SPS	4 1/8" Cx4" SPS	3.50
2243	5" Cx5" SPS	5 1/8" Cx5" SPS	7.00
2244	6" Cx6" SPS	6 1/8" Cx6" SPS	10.00



Style No. 404

WROUGHT MALE ADAPTER

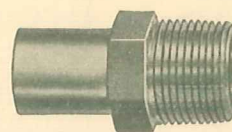
Article No.	Nominal Size	Actual Size	List Price
4085	1/8" Cx1/8" SPS	1/4" Cx1/8" SPS	\$0.07
4175	1/8" Cx1/4" SPS	1/4" Cx1/4" SPS	.14
4128	1/4" Cx1/8" SPS	3/8" Cx1/8" SPS	.14
3740	1/4" Cx1/4" SPS	3/8" Cx1/4" SPS	.14
4130	1/4" Cx3/8" SPS	3/8" Cx3/8" SPS	.16
4127	3/8" Cx1/4" SPS	1/2" Cx1/4" SPS	.16
3500	3/8" Cx3/8" SPS	1/2" Cx3/8" SPS	.16
3666	3/8" Cx1/2" SPS	1/2" Cx1/2" SPS	.18
3667	3/8" Cx3/4" SPS	1/2" Cx3/4" SPS	.24
3501	1/2" Cx1/2" SPS	5/8" Cx1/2" SPS	.18
3632	1/2" Cx3/8" SPS	5/8" Cx3/8" SPS	.18
3668	1/2" Cx3/4" SPS	5/8" Cx3/4" SPS	.24
3670	1/2" Cx1" SPS	5/8" Cx1" SPS	.32
3902	5/8" Cx1/2" SPS	3/4" Cx1/2" SPS	.21
3903	5/8" Cx3/4" SPS	3/4" Cx3/4" SPS	.24
3904	5/8" Cx1" SPS	3/4" Cx1" SPS	.32
3502	3/4" Cx3/4" SPS	7/8" Cx3/4" SPS	.24
3633	3/4" Cx3/8" SPS	7/8" Cx3/8" SPS	.24
3634	3/4" Cx1 1/2" SPS	7/8" Cx1 1/2" SPS	.24
3671	3/4" Cx1" SPS	7/8" Cx1" SPS	.32
3503	1" Cx1" SPS	1 1/8" Cx1" SPS	.32
3636	1" Cx1 1/2" SPS	1 1/8" Cx1 1/2" SPS	.32
3637	1" Cx3/4" SPS	1 1/8" Cx3/4" SPS	.32
3675	1" Cx1 1/4" SPS	1 1/8" Cx1 1/4" SPS	.50
3677	1" Cx1 1/2" SPS	1 1/8" Cx1 1/2" SPS	.60

(Continued)

WROUGHT MALE ADAPTER (Cont.)

Style No. 404

Article No.	Nominal Size	Actual Size	List Price
3504	1 1/4" Cx1 1/4" SPS	1 3/8" Cx1 1/4" SPS	\$0.50
3640	1 1/4" Cx3/4" SPS	1 3/8" Cx3/4" SPS	.50
3641	1 1/4" Cx1" SPS	1 3/8" Cx1" SPS	.50
3678	1 1/4" Cx1 1/2" SPS	1 3/8" Cx1 1/2" SPS	.60
3505	1 1/2" Cx1 1/2" SPS	1 5/8" Cx1 1/2" SPS	.60
3643	1 1/2" Cx1" SPS	1 5/8" Cx1" SPS	.60
3644	1 1/2" Cx1 1/4" SPS	1 5/8" Cx1 1/4" SPS	.60
3648	2" Cx1 1/2" SPS	2 1/8" Cx1 1/2" SPS	.90



Style No. 404-S

MALE STREET ADAPTER

Wrought

Article No.	Nominal Size	Actual Size	List Price
3765	1/2" Cx1/2" SPS	5/8" Cx1/2" SPS	\$0.18
3767	3/4" Cx3/4" SPS	7/8" Cx3/4" SPS	.24
3901	1 1/4" Cx1 1/4" SPS	1 3/8" Cx1 1/4" SPS	.50
3900	1 1/2" Cx1 1/2" SPS	1 5/8" Cx1 1/2" SPS	.60

Cast

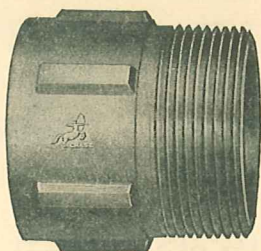
Style No. C-404-S

Article No.	Nominal Size	Actual Size	List Price
2180	3/8" Cx3/8" SPS	1/2" Cx3/8" SPS	\$0.16
2181	1/2" Cx1/2" SPS	5/8" Cx1/2" SPS	.18
2182	3/4" Cx3/4" SPS	7/8" Cx3/4" SPS	.24
2046	1" Cx1" SPS	1 1/8" Cx1" SPS	.32
2047	1 1/4" Cx1 1/4" SPS	1 3/8" Cx1 1/4" SPS	.50
2048	1 1/2" Cx1 1/2" SPS	1 5/8" Cx1 1/2" SPS	.60
2049	2" Cx2" SPS	2 1/8" Cx2" SPS	.90
3837	2 1/2" Cx2 1/2" SPS	2 5/8" Cx2 1/2" SPS	1.30
3838	3" Cx3" SPS	3 1/8" Cx3" SPS	2.00
3839	4" Cx4" SPS	4 1/8" Cx4" SPS	3.50
2245	5" Cx5" SPS	5 1/8" Cx5" SPS	7.00
2246	6" Cx6" SPS	6 1/8" Cx6" SPS	10.00

On 404-S and C-404-S Street Adapters the copper end is machined for slipping into another fitting.



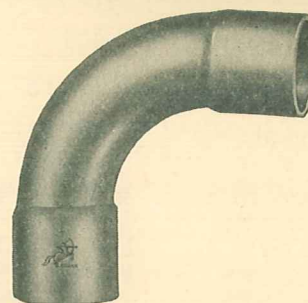
Adapters and Elbows



Style No. C-404

CAST MALE ADAPTER

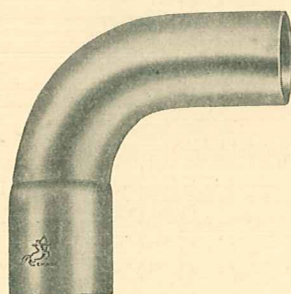
Article No.	Nominal Size	Actual Size	List Price
4075	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	\$0.18
4077	1/2" Cx 3/4" SPS	5/8" Cx 3/4" SPS	.24
4076	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.24
4078	3/4" Cx 1/2" SPS	7/8" Cx 1/2" SPS	.24
3962	3/4" Cx 1" SPS	7/8" Cx 1" SPS	.32
3963	1" Cx 1" SPS	1 1/8" Cx 1" SPS	.32
3964	1" Cx 3/4" SPS	1 1/8" Cx 3/4" SPS	.32
2187	1" Cx 1 1/2" SPS	1 1/8" Cx 1 1/2" SPS	.32
3965	1 1/4" Cx 1 1/4" SPS	1 3/8" Cx 1 1/4" SPS	.50
2195	1 1/4" Cx 1" SPS	1 3/8" Cx 1" SPS	.50
3966	1 1/2" Cx 1 1/2" SPS	1 5/8" Cx 1 1/2" SPS	.60
2196	1 1/2" Cx 1 1/4" SPS	1 5/8" Cx 1 1/4" SPS	.60
3967	2" Cx 2" SPS	2 1/8" Cx 2" SPS	.90
2197	2" Cx 1 1/2" SPS	2 1/8" Cx 1 1/2" SPS	.90
3779	2 1/2" Cx 2 1/2" SPS	2 5/8" Cx 2 1/2" SPS	1.30
3780	3" Cx 3" SPS	3 1/8" Cx 3" SPS	2.00
3781	3 1/2" Cx 3 1/2" SPS	3 5/8" Cx 3 1/2" SPS	2.50
3782	4" Cx 4" SPS	4 1/8" Cx 4" SPS	3.50
2247	5" Cx 5" SPS	5 1/8" Cx 5" SPS	7.00
2248	6" Cx 6" SPS	6 1/8" Cx 6" SPS	10.00



Style No. 407

WROUGHT 90° ELBOW

Article No.	Nominal Size	Actual Size	List Price
4083	1/8"	1/4"	\$0.10
3743	1/4"	3/8"	.14
4129	1/4" x 1/8"	3/8" x 1/4"	.14
4101	3/8"	1/2"	.16
3745	3/8" x 1/4"	1/2" x 3/8"	.16
4102	1/2"	5/8"	.20
3746	1/2" x 1/4"	5/8" x 3/8"	.20
3566	1/2" x 3/8"	5/8" x 1/2"	.20
4103	5/8"	3/4"	.24
4104	3/4"	7/8"	.28
3567	3/4" x 3/8"	7/8" x 1/2"	.28
3568	3/4" x 1/2"	7/8" x 5/8"	.28
4219	7/8"	1"	.34
4105	1"	1 1/8"	.40
3569	1" x 3/8"	1 1/8" x 1/2"	.40
3570	1" x 1/2"	1 1/8" x 5/8"	.40
3873	1" x 5/8"	1 1/8" x 3/4"	.40
3571	1" x 3/4"	1 1/8" x 7/8"	.40
4217	1" x 7/8"	1 1/8" x 1"	.40
3525	1 1/4"	1 3/8"	.55
3573	1 1/4" x 1/2"	1 3/8" x 5/8"	.55
3872	1 1/4" x 5/8"	1 3/8" x 3/4"	.55
3574	1 1/4" x 3/4"	1 3/8" x 7/8"	.55
3575	1 1/4" x 1"	1 3/8" x 1 1/8"	.55
3526	1 1/2"	1 5/8"	.70
3577	1 1/2" x 1"	1 5/8" x 1 1/8"	.70
3578	1 1/2" x 1 1/4"	1 5/8" x 1 3/8"	.70
3527	2"	2 1/8"	1.00
3580	2" x 1"	2 1/8" x 1 1/8"	1.00
3581	2" x 1 1/4"	2 1/8" x 1 3/8"	1.00
3582	2" x 1 1/2"	2 1/8" x 1 5/8"	1.00



Style No. 407-S

WROUGHT 90° STREET ELBOW

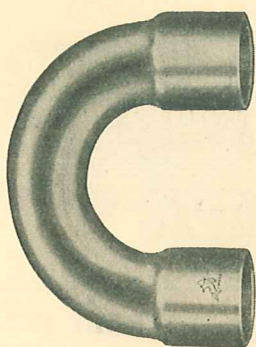
Article No.	Nominal Size	Actual Size	List Price
4084	1/8"	1/4"	\$0.10
3744	1/4"	3/8"	.14
4107	3/8"	1/2"	.16
4108	1/2"	5/8"	.20
4109	5/8"	3/4"	.24
4110	3/4"	7/8"	.28
4111	1"	1 1/8"	.40
3532	1 1/4"	1 3/8"	.55
3533	1 1/2"	1 5/8"	.70
3534	2"	2 1/8"	1.00

Elbows for Refrigeration Work

If wrought elbows are required with pipe threads use combination of 407-S Street Elbow with 403 or 404 Adapter; or 407 Elbow and 403-S or 404-S Street Adapter. This will provide a seepage proof fitting suitable for refrigeration lines.



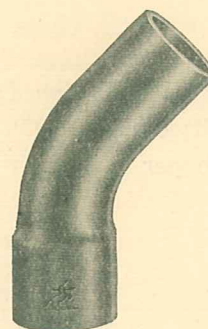
Elbows and Return Bends



Style No. 438

WROUGHT RETURN BEND

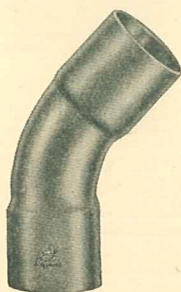
Article No.	Nominal Size	Center to Center	Actual Size	List Price
4068	3/8"	1 3/8"	1 1/2"	\$0.19
4069	1/2"	1 3/4"	5/8"	.26
4070	5/8"	2 1/8"	3/4"	.28
4071	3/4"	2 3/8"	7/8"	.30
4072	1"	2 7/8"	1 1/8"	.55
4073	1 1/4"	4"	1 3/8"	.85
4028	1 1/2"	4 3/8"	1 5/8"	1.05
4074	2"	5 1/8"	2 1/8"	1.80



Style No. 407-AS

WROUGHT 45° STREET ELBOW

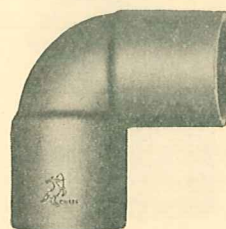
Article No.	Nominal Size	Actual Size	List Price
4118	1/4"	3/8"	\$0.14
3701	3/8"	1/2"	.16
3702	1/2"	5/8"	.20
4121	5/8"	3/4"	.24
3703	3/4"	7/8"	.28
3704	1"	1 1/8"	.40
3705	1 1/4"	1 3/8"	.55
3706	1 1/2"	1 5/8"	.70
3707	2"	2 1/8"	1.00



Style No. 407-A

WROUGHT 45° ELBOW

Article No.	Nominal Size	Actual Size	List Price
4112	1/4"	3/8"	\$0.14
3542	3/8"	1/2"	.16
3543	1/2"	5/8"	.20
3549	1/2" x 3/8"	5/8" x 1/2"	.20
3876	5/8"	3/4"	.24
3544	3/4"	7/8"	.28
3551	3/4" x 1/2"	7/8" x 5/8"	.28
3545	1"	1 1/8"	.40
3554	1" x 3/4"	1 1/8" x 7/8"	.40
3546	1 1/4"	1 3/8"	.55
3547	1 1/2"	1 5/8"	.70
3548	2"	2 1/8"	1.00



Style No. C-407

90° CAST ELBOW Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
4140	3/8"	1/2"	\$0.16
4141	3/8" x 1/4"	1/2" x 3/8"	.16
4142	1/2"	5/8"	.20
4143	1/2" x 1/4"	5/8" x 3/8"	.20
4144	1/2" x 3/8"	5/8" x 1/2"	.20
4145	3/4"	7/8"	.28
4146	3/4" x 1/2"	7/8" x 5/8"	.28
4147	1"	1 1/8"	.40
4148	1" x 3/8"	1 1/8" x 1/2"	.40
4149	1" x 1/2"	1 1/8" x 5/8"	.40
4150	1" x 3/4"	1 1/8" x 7/8"	.40
4151	1 1/4"	1 3/8"	.55
4152	1 1/4" x 1/2"	1 3/8" x 5/8"	.55
4153	1 1/4" x 3/4"	1 3/8" x 7/8"	.55
4154	1 1/4" x 1"	1 3/8" x 1 1/8"	.55
4155	1 1/2"	1 5/8"	.70

(Continued on Page 10)

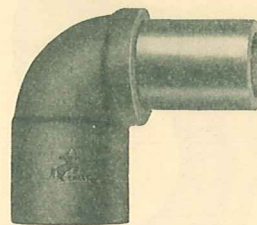


Elbows

90° CAST ELBOW (Continued from Page 9)

Style No. C-407
Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
4156	1 1/2" x 1"	1 5/8" x 1 1/8"	.70
4157	1 1/2" x 1 1/4"	1 5/8" x 1 3/8"	.70
4158	2"	2 1/8"	1.00
4159	2" x 1 1/4"	2 1/8" x 1 3/8"	1.00
4160	2" x 1 1/2"	2 1/8" x 1 5/8"	1.00
3783	2 1/2"	2 5/8"	1.65
4025	2 1/2" x 2"	2 5/8" x 2 1/8"	1.65
3784	3"	3 1/8"	2.50
3785	3 1/2"	3 5/8"	3.40
3786	4"	4 1/8"	4.50
2249	5"	5 1/8"	9.50
2250	6"	6 1/8"	14.50

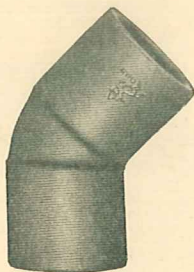


Style No. C-407-S

90° CAST STREET ELBOW

Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
2228	3/8"	1/2"	\$0.16
2229	1/2"	5/8"	.20
2230	3/4"	7/8"	.28
2231	1"	1 1/8"	.40

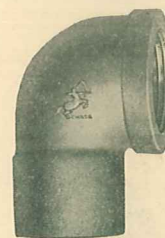


Style No. C-407-A

45° CAST ELBOW

Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
4161	3/8"	1/2"	\$0.16
4162	1/2"	5/8"	.20
4163	1/2" x 3/8"	5/8" x 1/2"	.20
4164	3/4"	7/8"	.28
4165	3/4" x 1/2"	7/8" x 5/8"	.28
4166	1"	1 1/8"	.40
4167	1" x 3/4"	1 1/8" x 7/8"	.40
4168	1 1/4"	1 3/8"	.55
4169	1 1/2"	1 5/8"	.70
4170	2"	2 1/8"	1.00
3793	2 1/2"	2 5/8"	1.65
3794	3"	3 1/8"	2.50
3795	3 1/2"	3 5/8"	3.40
3796	4"	4 1/8"	4.50
2251	5"	5 1/8"	9.50
2252	6"	6 1/8"	14.50



Style No. C-408

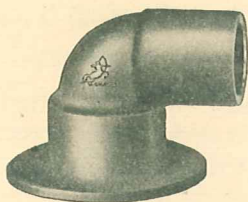
90° CAST ELBOW

Copper to Female S.P.S.

Article No.	Nominal Size	Actual Size	List Price
3929	3/8" Cx 3/8" SPS	1/2" Cx 3/8" SPS	\$0.17
2198	3/8" Cx 1/2" SPS	1/2" Cx 1/2" SPS	.25
3898	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	.25
3897	1/2" Cx 3/8" SPS	5/8" Cx 3/8" SPS	.25
2199	1/2" Cx 3/4" SPS	5/8" Cx 3/4" SPS	.37
3899	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.37
4032	3/4" Cx 1/2" SPS	7/8" Cx 1/2" SPS	.37
2212	3/4" Cx 3/8" SPS	7/8" Cx 3/8" SPS	.37
4139	1" Cx 1" SPS	1 1/8" Cx 1" SPS	.50
2200	1" Cx 3/4" SPS	1 1/8" Cx 3/4" SPS	.50
2058	1 1/4" Cx 1 1/4" SPS	1 3/8" Cx 1 1/4" SPS	.60
2201	1 1/4" Cx 1" SPS	1 3/8" Cx 1" SPS	.60
2059	1 1/2" Cx 1 1/2" SPS	1 5/8" Cx 1 1/2" SPS	.70
2060	2" Cx 2" SPS	2 1/8" Cx 2" SPS	1.00
3790	2 1/2" Cx 2 1/2" SPS	2 5/8" Cx 2 1/2" SPS	1.65
3791	3" Cx 3" SPS	3 1/8" Cx 3" SPS	2.50
3792	4" Cx 4" SPS	4 1/8" Cx 4" SPS	4.50



Elbows and Tees



Style No. C-408-F

CAST FLANGED ELBOW

Copper to Female S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2202	3/8" Cx 1/2" SPS	1/2" Cx 1/2" SPS	\$0.36
4066	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	.36
4067	1/2" Cx 3/8" SPS	5/8" Cx 3/8" SPS	.36

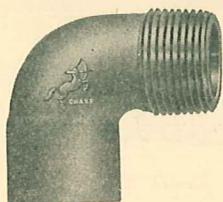


Style No. C-408-D

CAST ELBOW DROP EAR

Copper to Female S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2203	3/8" Cx 3/8" SPS	1/2" Cx 3/8" SPS	\$0.26
2204	3/8" Cx 1/2" SPS	1/2" Cx 1/2" SPS	.38
4064	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	.38
4065	1/2" Cx 3/8" SPS	5/8" Cx 3/8" SPS	.38
2205	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.57



Style No. C-409

90° CAST ELBOW

Copper to Male S.P.S.

Article No.	Nominal Size	Actual Size	List Price
3928	3/8" Cx 3/8" SPS	1/2" Cx 3/8" SPS	\$0.17
2206	3/8" Cx 1/2" SPS	1/2" Cx 1/2" SPS	.25
3895	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	.25

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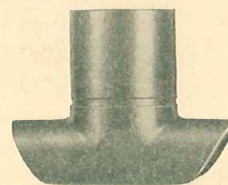
90° CAST ELBOW (Cont.)

Style No. C-409

Copper to Male S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2207	1/2" Cx 3/4" SPS	5/8" Cx 3/4" SPS	\$0.37
3894	1/2" Cx 3/8" SPS	5/8" Cx 3/8" SPS	.25
3906	*5/8" Cx 3/4" SPS	3/4" Cx 3/4" SPS	.40
2208	3/4" Cx 1/2" SPS	7/8" Cx 1/2" SPS	.37
3896	3/4" Cx 3/4" SPS	7/8" Cx 3/4" SPS	.37
2209	3/4" Cx 1" SPS	7/8" Cx 1" SPS	.50
2061	1" Cx 1" SPS	1 1/8" Cx 1" SPS	.50
2210	1" Cx 3/4" SPS	1 1/8" Cx 3/4" SPS	.50
2062	1 1/4" Cx 1 1/4" SPS	1 3/8" Cx 1 1/4" SPS	.60
2211	1 1/4" Cx 3/4" SPS	1 3/8" Cx 3/4" SPS	.60
2063	1 1/2" Cx 1 1/2" SPS	1 5/8" Cx 1 1/2" SPS	.70
2064	2" Cx 2" SPS	2 1/8" Cx 2" SPS	1.00
3787	2 1/2" Cx 2 1/2" SPS	2 5/8" Cx 2 1/2" SPS	1.65
3788	3" Cx 3" SPS	3 1/8" Cx 3" SPS	2.50
3789	4" Cx 4" SPS	4 1/8" Cx 4" SPS	4.50
2253	5" Cx 5" SPS	5 1/8" Cx 5" SPS	9.50
2254	6" Cx 6" SPS	6 1/8" Cx 6" SPS	14.50

*Forged Elbow.



Style No. 411

WROUGHT TEE

Saddle Type

Article No.	Nominal Size	Actual Size	List Price
3535	3/8"	1/2"	\$0.10
3747	3/8" x 1/4"	1/2" x 3/8"	.10
3878	3/8" x 1/2"	1/2" x 5/8"	.12
3536	1/2"	5/8"	.12
3748	1/2" x 1/4"	5/8" x 3/8"	.12
3590	1/2" x 3/8"	5/8" x 1/2"	.12
3889	1/2" x 5/8"	5/8" x 3/4"	.15
3863	5/8"	3/4"	.15
3860	5/8" x 1/4"	3/4" x 3/8"	.15
3861	5/8" x 3/8"	3/4" x 1/2"	.15
3862	5/8" x 1/2"	3/4" x 5/8"	.15
3537	3/4"	7/8"	.19
3591	3/4" x 3/8"	7/8" x 1/2"	.19
3592	3/4" x 1/2"	7/8" x 5/8"	.19
3538	1"	1 1/8"	.24
3593	1" x 3/8"	1 1/8" x 1/2"	.24

(Continued on Page 12)



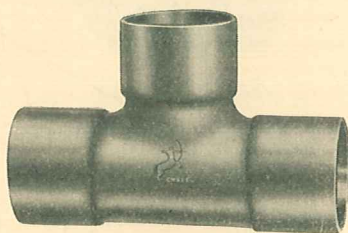
Tees

WROUGHT TEE (Continued from Page 11)

Style No. 411

Saddle Type

Article No.	Nominal Size	Actual Size	List Price
3594	1"x1/2"	1 1/8"x5/8"	\$0.24
3859	1"x5/8"	1 1/8"x3/4"	.24
3595	1"x3/4"	1 1/8"x7/8"	.24
3877	1"x1 1/4"	1 1/8"x1 3/8"	.33
3539	1 1/4"	1 3/8"	.33
3596	1 1/4"x3/8"	1 3/8"x1 1/2"	.33
3597	1 1/4"x1 1/2"	1 3/8"x5/8"	.33
3857	1 1/4"x5/8"	1 3/8"x3/4"	.33
3598	1 1/4"x3/4"	1 3/8"x7/8"	.33
3599	1 1/4"x1"	1 3/8"x1 1/8"	.33
3858	1 1/4"x1 1/2"	1 3/8"x1 5/8"	.50
3540	1 1/2"	1 5/8"	.50
3600	1 1/2"x3/8"	1 5/8"x1 1/2"	.50
3601	1 1/2"x1 1/2"	1 5/8"x5/8"	.50
3855	1 1/2"x5/8"	1 5/8"x3/4"	.50
3602	1 1/2"x3/4"	1 5/8"x7/8"	.50
3603	1 1/2"x1"	1 5/8"x1 1/8"	.50
3604	1 1/2"x1 1/4"	1 5/8"x1 3/8"	.50
3856	1 1/2"x2"	1 5/8"x2 1/8"	.72
3541	2"	2 1/8"	.72
3605	2"x3/8"	2 1/8"x1 1/2"	.72
3606	2"x1 1/2"	2 1/8"x5/8"	.72
3854	2"x5/8"	2 1/8"x3/4"	.72
3607	2"x3/4"	2 1/8"x7/8"	.72
3608	2"x1"	2 1/8"x1 1/8"	.72
3609	2"x1 1/4"	2 1/8"x1 3/8"	.72
3610	2"x1 1/2"	2 1/8"x1 5/8"	.72



Style No. W-411

WROUGHT TEE

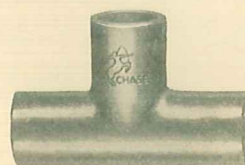
Article No.	Nominal Size	Actual Size	List Price
4182	3/8"	1/2"	\$0.20
4193	3/8"x1/4"	1/2"x3/8"	.20
4183	1/2"	5/8"	.24
4194	1/2"x1/4"	5/8"x3/8"	.24
4198	1/2"x3/8"	5/8"x1 1/2"	.24
4184	5/8"	3/4"	.31
4195	5/8"x1/4"	3/4"x3/8"	.31
4196	5/8"x3/8"	3/4"x1 1/2"	.31
4185	3/4"	7/8"	.38
4199	3/4"x3/8"	7/8"x1 1/2"	.38
4200	3/4"x1 1/2"	7/8"x5/8"	.38
4201	3/4"x1 1/2"x1 1/2"	7/8"x5/8"x5/8"	.38

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WROUGHT TEE (Cont.)

Style No. W-411

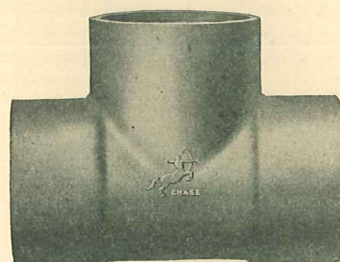
Article No.	Nominal Size	Actual Size	List Price
4202	3/4"x1 1/2"x3/4"	7/8"x5/8"x7/8"	\$0.38
4186	1"	1 1/8"	.55
4203	1"x1 1/2"	1 1/8"x5/8"	.55
4197	1"x5/8"	1 1/8"x3/4"	.55
4204	1"x3/4"	1 1/8"x7/8"	.55
4205	1"x3/4"x3/4"	1 1/8"x7/8"x7/8"	.55
4187	1 1/4"	1 3/8"	.75
4206	1 1/4"x3/4"	1 3/8"x7/8"	.75
4208	1 1/4"x1"	1 3/8"x1 1/8"	.75
4207	1 1/4"x3/4"x1 1/4"	1 3/8"x7/8"x1 3/8"	.75
4188	1 1/2"	1 5/8"	1.00
4209	1 1/2"x1"	1 5/8"x1 1/8"	1.00
4210	1 1/2"x1 1/4"	1 5/8"x1 3/8"	1.00
4189	2"	2 1/8"	1.50
4214	2"x1 1/2"	2 1/8"x1 5/8"	1.50



Style No. F-411

FORGED TEE

Article No.	Nominal Size	Actual Size	List Price
4031	1/8"	1/4"	\$0.17
3770	1/4"	3/8"	.19
4099	1/4"x1/8"	3/8"x1/4"	.19



Style No. C-411

CAST TEE

Copper to Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
3974	3/8"x3/8"x3/8"	1/2"x1 1/2"x1 1/2"	\$0.20
3979	3/8"x3/8"x1 1/2"	1/2"x1 1/2"x5/8"	.24
3879	1/2"x1 1/2"x1 1/2"	5/8"x5/8"x5/8"	.24
3980	1/2"x3/8"x3/8"	5/8"x1 1/2"x1 1/2"	.24
3981	1/2"x3/8"x1 1/2"	5/8"x1 1/2"x5/8"	.24

(Continued on Page 13)



Tees

CAST TEE (Continued from Page 12)

Style No. C-411

Copper to Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
3982	1/2"x1/2"x3/8"	5/8"x5/8"x1/2"	\$0.24
3881	1/2"x1/2"x3/4"	5/8"x5/8"x7/8"	.38
3880	3/4"x3/4"x3/4"	7/8"x7/8"x7/8"	.38
3983	3/4"x3/8"x1/2"	7/8"x1/2"x5/8"	.38
3984	3/4"x1/2"x3/8"	7/8"x5/8"x1/2"	.38
3882	3/4"x1/2"x1/2"	7/8"x5/8"x5/8"	.38
3883	3/4"x1/2"x3/4"	7/8"x5/8"x7/8"	.38
3985	3/4"x3/4"x3/8"	7/8"x7/8"x1/2"	.38
3884	3/4"x3/4"x1/2"	7/8"x7/8"x5/8"	.38
3986	3/4"x3/4"x1"	7/8"x7/8"x1 1/8"	.55
3975	1"x1"x1"	1 1/8"x1 1/8"x1 1/8"	.55
4174	1"x1/2"x1/2"	1 1/8"x5/8"x5/8"	.55
2213	1"x1/2"x1"	1 1/8"x5/8"x1 1/8"	.55
3987	1"x3/4"x1/2"	1 1/8"x7/8"x5/8"	.55
3988	1"x3/4"x3/4"	1 1/8"x7/8"x7/8"	.55
3989	1"x3/4"x1"	1 1/8"x7/8"x1 1/8"	.55
3990	1"x1"x3/8"	1 1/8"x1 1/8"x1/2"	.55
3991	1"x1"x1/2"	1 1/8"x1 1/8"x5/8"	.55
3992	1"x1"x3/4"	1 1/8"x1 1/8"x7/8"	.55
3993	1"x1"x1 1/4"	1 1/8"x1 1/8"x1 3/8"	.75
3976	1 1/4"x1 1/4"x1 1/4"	1 3/8"x1 3/8"x1 3/8"	.75
4038	1 1/4"x1/2"x1"	1 3/8"x5/8"x1 1/8"	.75
4037	1 1/4"x1/2"x1 1/4"	1 3/8"x5/8"x1 3/8"	.75
4036	1 1/4"x3/4"x1"	1 3/8"x7/8"x1 1/8"	.75
4035	1 1/4"x3/4"x1 1/4"	1 3/8"x7/8"x1 3/8"	.75
4034	1 1/4"x1"x1/2"	1 3/8"x1 1/8"x5/8"	.75
4033	1 1/4"x1"x3/4"	1 3/8"x1 1/8"x7/8"	.75
3994	1 1/4"x1"x1"	1 3/8"x1 1/8"x1 1/8"	.75
3995	1 1/4"x1"x1 1/4"	1 3/8"x1 1/8"x1 3/8"	.75
3996	1 1/4"x1 1/4"x1/2"	1 3/8"x1 3/8"x5/8"	.75
3997	1 1/4"x1 1/4"x3/4"	1 3/8"x1 3/8"x7/8"	.75
3998	1 1/4"x1 1/4"x1"	1 3/8"x1 3/8"x1 1/8"	.75
3999	1 1/4"x1 1/4"x1 1/2"	1 3/8"x1 3/8"x1 5/8"	1.00
3977	1 1/2"x1 1/2"x1 1/2"	1 5/8"x1 5/8"x1 5/8"	1.00
4044	1 1/2"x1"x1 1/4"	1 5/8"x1 1/8"x1 3/8"	1.00
4043	1 1/2"x1"x1 1/2"	1 5/8"x1 1/8"x1 5/8"	1.00
4042	1 1/2"x1 1/4"x1/2"	1 5/8"x1 3/8"x5/8"	1.00
4041	1 1/2"x1 1/4"x3/4"	1 5/8"x1 3/8"x7/8"	1.00
4040	1 1/2"x1 1/4"x1"	1 5/8"x1 3/8"x1 1/8"	1.00
4039	1 1/2"x1 1/4"x1 1/4"	1 5/8"x1 3/8"x1 3/8"	1.00
4001	1 1/2"x1 1/2"x3/8"	1 5/8"x1 5/8"x1/2"	1.00
4002	1 1/2"x1 1/2"x1/2"	1 5/8"x1 5/8"x5/8"	1.00
4003	1 1/2"x1 1/2"x3/4"	1 5/8"x1 5/8"x7/8"	1.00
4004	1 1/2"x1 1/2"x1"	1 5/8"x1 5/8"x1 1/8"	1.00
4005	1 1/2"x1 1/2"x1 1/4"	1 5/8"x1 5/8"x1 3/8"	1.00
4045	1 1/2"x1 1/2"x2"	1 5/8"x1 5/8"x2 1/8"	1.50
3978	2"x2"x2"	2 1/8"x2 1/8"x2 1/8"	1.50
2215	2"x3/4"x2"	2 1/8"x7/8"x2 1/8"	1.50
4053	2"x1"x2"	2 1/8"x1 1/8"x2 1/8"	1.50
4052	2"x1 1/4"x3/4"	2 1/8"x1 3/8"x7/8"	1.50
4051	2"x1 1/4"x1"	2 1/8"x1 3/8"x1 1/8"	1.50
4050	2"x1 1/4"x1 1/4"	2 1/8"x1 3/8"x1 3/8"	1.50
4049	2"x1 1/2"x3/4"	2 1/8"x1 5/8"x7/8"	1.50
4048	2"x1 1/2"x1"	2 1/8"x1 5/8"x1 1/8"	1.50

(Continued)

CAST TEE (Continued)

Style No. C-411

Copper to Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
4047	2"x1 1/2"x1 1/4"	2 1/8"x1 5/8"x1 3/8"	\$1.50
4046	2"x1 1/2"x1 1/2"	2 1/8"x1 5/8"x1 5/8"	1.50
2214	2"x1 1/2"x2"	2 1/8"x1 5/8"x2 1/8"	1.50
4006	2"x2"x1/2"	2 1/8"x2 1/8"x5/8"	1.50
4007	2"x2"x3/4"	2 1/8"x2 1/8"x7/8"	1.50
4008	2"x2"x1"	2 1/8"x2 1/8"x1 1/8"	1.50
4009	2"x2"x1 1/4"	2 1/8"x2 1/8"x1 3/8"	1.50
4010	2"x2"x1 1/2"	2 1/8"x2 1/8"x1 5/8"	1.50
4054	2"x2"x2 1/2"	2 1/8"x2 1/8"x2 5/8"	2.00
3797	2 1/2"x2 1/2"x2 1/2"	2 5/8"x2 5/8"x2 5/8"	2.00
4055	2 1/2"x1 1/4"x2 1/2"	2 5/8"x1 3/8"x2 5/8"	2.00
3809	2 1/2"x2"x3/4"	2 5/8"x2 1/8"x7/8"	2.00
3808	2 1/2"x2"x1"	2 5/8"x2 1/8"x1 1/8"	2.00
3807	2 1/2"x2"x1 1/4"	2 5/8"x2 1/8"x1 3/8"	2.00
3806	2 1/2"x2"x1 1/2"	2 5/8"x2 1/8"x1 5/8"	2.00
3805	2 1/2"x2"x2"	2 5/8"x2 1/8"x2 1/8"	2.00
3804	2 1/2"x2"x2 1/2"	2 5/8"x2 1/8"x2 5/8"	2.00
3803	2 1/2"x2 1/2"x1 1/2"	2 5/8"x2 5/8"x5/8"	2.00
3802	2 1/2"x2 1/2"x3/4"	2 5/8"x2 5/8"x7/8"	2.00
3801	2 1/2"x2 1/2"x1"	2 5/8"x2 5/8"x1 1/8"	2.00
3800	2 1/2"x2 1/2"x1 1/4"	2 5/8"x2 5/8"x1 3/8"	2.00
3799	2 1/2"x2 1/2"x1 1/2"	2 5/8"x2 5/8"x1 5/8"	2.00
3798	2 1/2"x2 1/2"x2"	2 5/8"x2 5/8"x2 1/8"	2.00
4056	2 1/2"x2 1/2"x3"	2 5/8"x2 5/8"x3 1/8"	3.00
3810	3"x3"x3"	3 1/8"x3 1/8"x3 1/8"	3.00
2216	3"x2"x2"	3 1/8"x2 1/8"x2 1/8"	3.00
4057	3"x2"x3"	3 1/8"x2 1/8"x3 1/8"	3.00
3820	3"x2 1/2"x1"	3 1/8"x2 5/8"x1 1/8"	3.00
3819	3"x2 1/2"x1 1/4"	3 1/8"x2 5/8"x1 3/8"	3.00
3818	3"x2 1/2"x2"	3 1/8"x2 5/8"x2 1/8"	3.00
3817	3"x2 1/2"x2 1/2"	3 1/8"x2 5/8"x2 5/8"	3.00
3816	3"x3"x3/4"	3 1/8"x3 1/8"x7/8"	3.00
3815	3"x3"x1"	3 1/8"x3 1/8"x1 1/8"	3.00
3814	3"x3"x1 1/4"	3 1/8"x3 1/8"x1 3/8"	3.00
3813	3"x3"x1 1/2"	3 1/8"x3 1/8"x1 5/8"	3.00
3812	3"x3"x2"	3 1/8"x3 1/8"x2 1/8"	3.00
3811	3"x3"x2 1/2"	3 1/8"x3 1/8"x2 5/8"	3.00
3821	3 1/2"x3 1/2"x3 1/2"	3 5/8"x3 5/8"x3 5/8"	4.00
3824	3 1/2"x3 1/2"x1"	3 5/8"x3 5/8"x1 1/8"	4.00
3823	3 1/2"x3 1/2"x1 1/4"	3 5/8"x3 5/8"x1 3/8"	4.00
3822	3 1/2"x3 1/2"x2 1/2"	3 5/8"x3 5/8"x2 5/8"	4.00
3825	4"x4"x4"	4 1/8"x4 1/8"x4 1/8"	5.00
3836	4"x2"x4"	4 1/8"x2 1/8"x4 1/8"	5.00
3835	4"x2 1/2"x2 1/2"	4 1/8"x2 5/8"x2 5/8"	5.00
3834	4"x3"x2"	4 1/8"x3 1/8"x2 1/8"	5.00
3833	4"x3"x3"	4 1/8"x3 1/8"x3 1/8"	5.00
3832	4"x3"x4"	4 1/8"x3 1/8"x4 1/8"	5.00
3831	4"x4"x1"	4 1/8"x4 1/8"x1 1/8"	5.00
3830	4"x4"x1 1/4"	4 1/8"x4 1/8"x1 3/8"	5.00
3829	4"x4"x1 1/2"	4 1/8"x4 1/8"x1 5/8"	5.00
3828	4"x4"x2"	4 1/8"x4 1/8"x2 1/8"	5.00
3827	4"x4"x2 1/2"	4 1/8"x4 1/8"x2 5/8"	5.00
3826	4"x4"x3"	4 1/8"x4 1/8"x3 1/8"	5.00
2255	5"x5"x5"	5 1/8"x5 1/8"x5 1/8"	12.50
2256	6"x6"x6"	6 1/8"x6 1/8"x6 1/8"	20.00



Tees

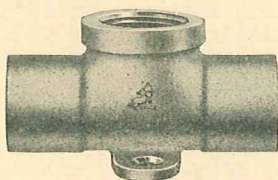


Style No. C-412

CAST TEE

Copper to Female S.P.S.

Article No.	Nominal Size	Actual Size	List Price
3930	3/8" Cx 3/8" Cx 3/8" SPS	1/2" x 1/2" x 3/8"	\$0.20
3885	1/2" Cx 1/2" Cx 1/2" SPS	5/8" x 5/8" x 1/2"	.24
3931	1/2" Cx 1/2" Cx 3/8" SPS	5/8" x 5/8" x 3/8"	.24
4058	1/2" Cx 1/2" Cx 3/4" SPS	5/8" x 5/8" x 3/4"	.38
3886	3/4" Cx 3/4" Cx 3/4" SPS	7/8" x 7/8" x 3/4"	.38
3887	3/4" Cx 1/2" Cx 1/2" SPS	7/8" x 5/8" x 1/2"	.38
3932	3/4" Cx 3/4" Cx 3/8" SPS	7/8" x 7/8" x 3/8"	.38
3888	3/4" Cx 3/4" Cx 1/2" SPS	7/8" x 7/8" x 1/2"	.38
2217	3/4" Cx 3/4" Cx 1" SPS	7/8" x 7/8" x 1"	.55
3933	1" Cx 1" Cx 1" SPS	1 1/8" x 1 1/8" x 1"	.55
3936	1" Cx 3/4" Cx 1/2" SPS	1 1/8" x 7/8" x 1/2"	.55
4135	1" Cx 3/4" Cx 3/4" SPS	1 1/8" x 7/8" x 3/4"	.55
3935	1" Cx 1" Cx 1/2" SPS	1 1/8" x 1 1/8" x 1/2"	.55
3934	1" Cx 1" Cx 3/4" SPS	1 1/8" x 1 1/8" x 3/4"	.55
3937	1 1/4" Cx 1 1/4" Cx 1 1/4" SPS	1 3/8" x 1 3/8" x 1 1/4"	.75
4136	1 1/4" Cx 1" Cx 3/4" SPS	1 3/8" x 1 1/8" x 3/4"	.75
3939	1 1/4" Cx 1 1/4" Cx 1/2" SPS	1 3/8" x 1 3/8" x 1/2"	.75
3938	1 1/4" Cx 1 1/4" Cx 3/4" SPS	1 3/8" x 1 3/8" x 3/4"	.75
3940	1 1/2" Cx 1 1/2" Cx 1 1/2" SPS	1 5/8" x 1 5/8" x 1 1/2"	1.00
4137	1 1/2" Cx 1 1/4" Cx 3/4" SPS	1 5/8" x 1 3/8" x 3/4"	1.00
3942	1 1/2" Cx 1 1/2" Cx 1/2" SPS	1 5/8" x 1 5/8" x 1/2"	1.00
3941	1 1/2" Cx 1 1/2" Cx 3/4" SPS	1 5/8" x 1 5/8" x 3/4"	1.00
3943	2" Cx 2" Cx 2" SPS	2 1/8" x 2 1/8" x 2"	1.50
3945	2" Cx 2" Cx 1 1/2" SPS	2 1/8" x 2 1/8" x 1 1/2"	1.50
3944	2" Cx 2" Cx 3/4" SPS	2 1/8" x 2 1/8" x 3/4"	1.50
4059	2 1/2" Cx 2 1/2" Cx 2 1/2" SPS	2 5/8" x 2 5/8" x 2 1/2"	2.00
4060	3" Cx 3" Cx 3" SPS	3 1/8" x 3 1/8" x 3"	3.00
4061	4" Cx 4" Cx 4" SPS	4 1/8" x 4 1/8" x 4"	5.00



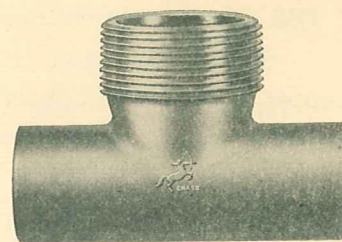
Style No. C-412-D

CAST TEE

Copper to Female S.P.S.

Drop Ear

Article No.	Nominal Size	Actual Size	List Price
4062	1/2" Cx 1/2" Cx 1/2" SPS	5/8" x 5/8" x 1/2"	\$0.36
4063	1/2" Cx 1/2" Cx 3/8" SPS	5/8" x 5/8" x 3/8"	.36

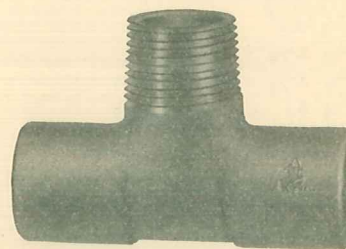


Style No. 413

FORGED TEE

Copper to Copper to Male S.P.S.

Article No.	Nominal Size	Actual Size	List Price
3907	1" Cx 1" Cx 1 1/2" SPS	1 1/8" x 1 1/8" x 1 1/2"	\$1.10

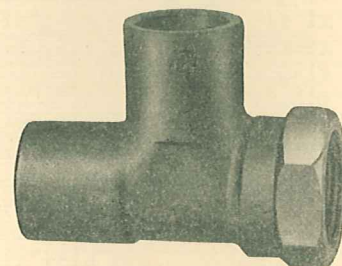


Style No. C-413

CAST TEE

Copper to Male S.P.S.

Article No.	Nominal Size	Actual Size	List Price
2218	3/8" Cx 3/8" Cx 3/8" SPS	1/2" x 1/2" x 3/8"	\$0.20
2219	1/2" Cx 1/2" Cx 1/2" SPS	5/8" x 5/8" x 1/2"	.24
2220	3/4" Cx 3/4" Cx 3/4" SPS	7/8" x 7/8" x 3/4"	.38
2221	1" Cx 1" Cx 1" SPS	1 1/8" x 1 1/8" x 1"	.55



Style No. C-414

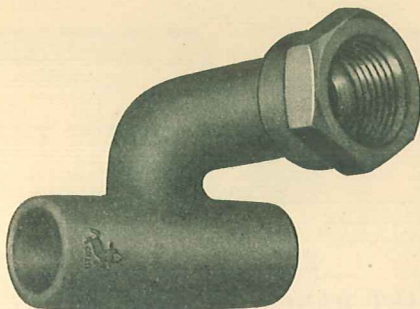
CAST TEE

Copper to Female S.P.S. to Copper

Article No.	Nominal Size	Actual Size	List Price
2222	3/8" Cx 3/8" SPS x 3/8" C	1/2" Cx 3/8" SPS x 1/2" C	\$0.20
2223	1/2" Cx 1/2" SPS x 1/2" C	5/8" Cx 1/2" SPS x 5/8" C	.24
2224	3/4" Cx 3/4" SPS x 3/4" C	7/8" Cx 3/4" SPS x 7/8" C	.38
2225	1" Cx 1" SPS x 1" C	1 1/8" Cx 1" SPS x 1 1/8" C	.55



Tees, Caps, Plugs and Bushings



Style No. C-437

CAST WASH-TRAY TEE

Copper to Female S.P.S.

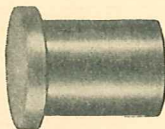
Long Branch

Article No.	Nominal Size	Actual Size	List Price
2227	1/2" Cx 1/2" SPS	5/8" Cx 1/2" SPS	\$0.45



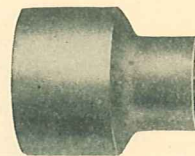
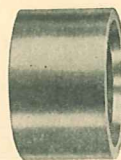
Style No. 416-C
WROUGHT CAP

Article No.	Nominal Size	Actual Size	List Price
3742	1/4"	3/8"	\$0.06
3583	3/8"	1/2"	.08
3584	1/2"	5/8"	.11
3893	5/8"	3/4"	.12
3585	3/4"	7/8"	.15
3586	1"	1 1/8"	.20
3587	1 1/4"	1 3/8"	.24
3588	1 1/2"	1 5/8"	.28
3589	2"	2 1/8"	.46
3849	2 1/2"	2 5/8"	.65
3850	3"	3 1/8"	.85
3853	3 1/2"	3 5/8"	1.30
3851	4"	4 1/8"	1.50



Style No. C-416-P
CAST PLUG

Article No.	Nominal Size	Actual Size	List Price
2050	3/8"	1/2"	\$0.08
2051	1/2"	5/8"	.11
2052	3/4"	7/8"	.15
2053	1"	1 1/8"	.20
2054	1 1/4"	1 3/8"	.24
2055	1 1/2"	1 5/8"	.60
2056	2"	2 1/8"	.90
2241	2 1/2"	2 5/8"	1.30
2264	3"	3 1/8"	2.00
2265	4"	4 1/8"	3.50



Style No. 417

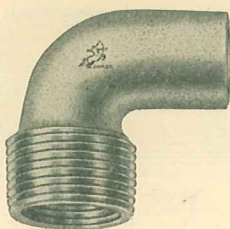
BUSHING OR REDUCER

(For sweating into another fitting to reduce the opening)

Article No.	Nominal Size	Actual Size	List Price
3892	1/4" x 1/8"	3/8" x 1/4"	\$0.06
3890	3/8" x 1/4"	1/2" x 3/8"	.08
3891	3/8" x 1/8"	1/2" x 1/4"	.08
3946	1/2" x 3/8"	5/8" x 1/2"	.11
3947	1/2" x 1/4"	5/8" x 3/8"	.11
4132	5/8" x 1/2"	3/4" x 5/8"	.12
4133	5/8" x 3/8"	3/4" x 1/2"	.12
4134	5/8" x 1/4"	3/4" x 3/8"	.12
3948	3/4" x 5/8"	7/8" x 3/4"	.15
3949	3/4" x 1/2"	7/8" x 5/8"	.15
3950	3/4" x 3/8"	7/8" x 1/2"	.15
3951	1" x 3/4"	1 1/8" x 7/8"	.32
4131	1" x 5/8"	1 1/8" x 3/4"	.32
3952	1" x 1/2"	1 1/8" x 5/8"	.32
3953	1 1/4" x 1"	1 3/8" x 1 1/8"	.40
3954	*1 1/4" x 3/4"	1 3/8" x 7/8"	.50
3955	*1 1/4" x 1/2"	1 3/8" x 5/8"	.50
3956	1 1/2" x 1 1/4"	1 5/8" x 1 3/8"	.45
3957	1 1/2" x 1"	1 5/8" x 1 1/8"	.45
3958	*1 1/2" x 3/4"	1 5/8" x 7/8"	.60
3959	2" x 1 1/2"	2 1/8" x 1 5/8"	.70
3960	*2" x 1 1/4"	2 1/8" x 1 3/8"	.90
3961	*2" x 1"	2 1/8" x 1 1/8"	.90
3840	2 1/2" x 2"	2 5/8" x 2 1/8"	1.00
3841	*2 1/2" x 1 1/2"	2 5/8" x 1 5/8"	1.30
3842	*2 1/2" x 1 1/4"	2 5/8" x 1 3/8"	1.30
3843	3" x 2 1/2"	3 1/8" x 2 5/8"	1.50
3844	*3" x 2"	3 1/8" x 2 1/8"	2.00
3845	*3" x 1 1/2"	3 1/8" x 1 5/8"	2.00
4026	3 1/2" x 3"	3 5/8" x 3 1/8"	2.00
4027	4" x 3 1/2"	4 1/8" x 3 5/8"	2.50
3846	*4" x 3"	4 1/8" x 3 1/8"	3.50
3847	*4" x 2 1/2"	4 1/8" x 2 5/8"	3.50
3848	*4" x 2"	4 1/8" x 2 1/8"	3.50
2257	*5" x 4"	5 1/8" x 4 1/8"	7.00
2258	*5" x 3"	5 1/8" x 3 1/8"	7.00
2259	*5" x 2"	5 1/8" x 2 1/8"	7.00
2260	*6" x 5"	6 1/8" x 5 1/8"	10.00
2261	*6" x 4"	6 1/8" x 4 1/8"	10.00
2262	*6" x 3"	6 1/8" x 3 1/8"	10.00
2263	*6" x 2"	6 1/8" x 2 1/8"	10.00

*Made long pattern as shown in right hand illustration above. Other sizes are flush type as shown at left.

Range Boiler Fittings and Crosses



Style No. C-420

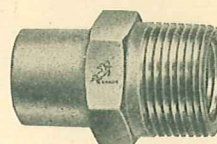
CAST RANGE BOILER FITTING

Copper to Male S.P.S. to Female S.P.S.

Elbow Type

Article No.	Nominal Size	Actual Size	List Price
2068	1/2" Cx1" M.SPSx1/2" F.SPS	5/8"x1"x1/2"	\$0.40
2069	3/4" Cx1" M.SPSx3/4" F.SPS	7/8"x1"x3/4"	.40
2070	3/4" Cx1" M.SPSx1/2" F.SPS	7/8"x1"x1/2"	.40

Above can be supplied with Union, on special order.
List Price, \$0.90



Style No. C-421

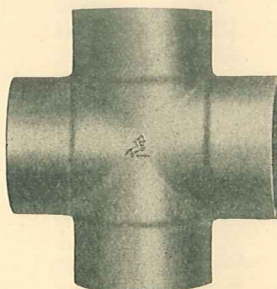
CAST RANGE BOILER FITTING

Copper to Male S.P.S. to Female S.P.S.

Straight Type

Article No.	Nominal Size	Actual Size	List Price
2065	1/2" Cx1" M.SPSx1/2" F.SPS	5/8"x1"x1/2"	\$0.32
2066	3/4" Cx1" M.SPSx3/4" F.SPS	7/8"x1"x3/4"	.32
2067	3/4" Cx1" M.SPSx1/2" F.SPS	7/8"x1"x1/2"	.32

Above can be supplied with Union, on special order.
List Price, \$0.80



Style No. C-435

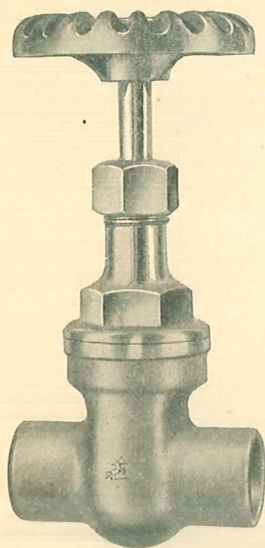
CAST CROSS

Copper to Copper to Copper to Copper

Article No.	Nominal Size	Actual Size	List Price
2000	3/8"	1/2"	\$0.32
2001	1/2"	5/8"	.36
2002	3/4"	7/8"	.65
2003	1"	1 1/8"	.90
2004	1 1/4"	1 3/8"	1.15
2005	1 1/2"	1 5/8"	1.50
2006	2"	2 1/8"	2.00
2007	2 1/2"	2 5/8"	3.00
2008	3"	3 1/8"	4.50
2009	3 1/2"	3 5/8"	6.00
2010	4"	4 1/8"	7.50

Reducing Crosses:
Order special or use No. 417 to make reductions.

Valves



Style No. 429
GATE VALVE
Without Waste

Article No.	Nominal Size	Actual Size	List Price
2077	3/8"	1/2"	\$1.40
2078	1/2"	5/8"	1.50
2079	3/4"	7/8"	1.75
2080	1"	1 1/8"	2.40
2081	1 1/4"	1 3/8"	3.20
2082	1 1/2"	1 5/8"	4.50
2083	2"	2 1/8"	6.50
2266	2 1/2"	2 5/8"	10.60
2267	3"	3 1/8"	15.00
2268	3 1/2"	3 5/8"	28.00
2269	4"	4 1/8"	31.75

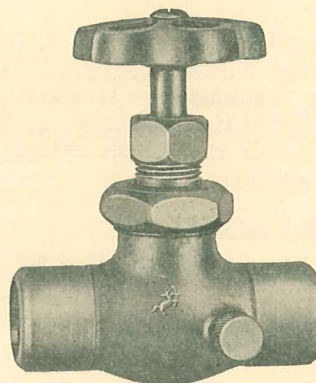
Style No. 429-W

GATE VALVE WITH WASTE

Article No.	Nominal Size	Actual Size	List Price
2232	3/8"	1/2"	\$1.65
2233	1/2"	5/8"	1.75
2234	3/4"	7/8"	2.00
2235	1"	1 1/8"	2.65
2236	1 1/4"	1 3/8"	3.45
2237	1 1/2"	1 5/8"	4.75
2238	2"	2 1/8"	6.75

Instructions for Sweating

Be sure valve is fully opened. Do not apply heat directly to valve but heat the copper tube close to the joint. This will avoid burning out washers and packings, or warping the metal valve parts.



Style No. 476

STOP AND WASTE (With Stuffing Box)

Article No.	Nominal Size	Actual Size	List Price
2071	3/8"	1/2"	\$0.90
3908	1/2"	5/8"	1.00
3909	3/4"	7/8"	1.15
2072	1"	1 1/8"	2.00

Style No. 475

STOP WITHOUT WASTE (With Stuffing Box)

(Same as No. 476 but without waste)

Article No.	Nominal Size	Actual Size	List Price
2073	3/8"	1/2"	\$0.85
2074	1/2"	5/8"	.95
2075	3/4"	7/8"	1.10
2076	1"	1 1/8"	1.90
2242	1 1/4"	1 3/8"	3.20
2245	1 1/2"	1 5/8"	4.50
2246	2"	2 1/8"	6.50

Valves with S.P.S. or Union End (Supplied on Special Order)

Any of above Valves and Stop and Wastes up to 2" inclusive can be supplied with female S.P.S. thread one end at above prices. If ordered with ground joint union one end, the following additions to above prices will apply:

3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
\$0.55	\$0.60	\$0.80	\$1.00	\$1.45	\$1.90	\$2.65

Sizes 8 Inch and Larger

Flange Fittings

8", 10" and 12" Tees and Elbows are ordinarily supplied R.P.M. (Riveted Pipe Manufacturers) Standard. If flange ends are wanted A.S.M.E. Standard, add difference between C-443 and C-441 Flanges for each A.S.M.E. outlet.

Flange Fittings Under 8 Inch

Tees and Elbows smaller than 8" can be supplied on special order—R.P.M. Standard at regular prices—A.S.M.E. Standard, add full cost of C-441 Flange.

Deliveries

Fittings on this page are new additions to the line. Until stock is available, deliveries will take about two weeks.

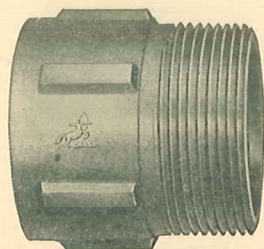
Bolts For Flange Fittings*

Quantity Needed and Size

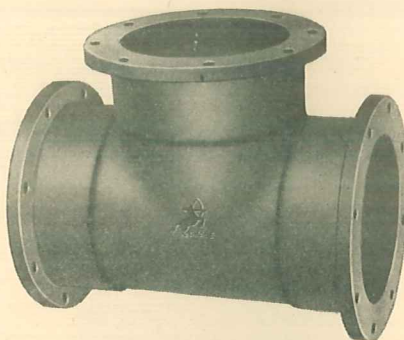
Nominal Size	C-443		C-441		Nominal Size	C-443		C-441	
	Quan. Bolts	Size	Quan. Bolts	Size		Quan. Bolts	Size	Quan. Bolts	Size
1"	...	...	4	1/2"x1 3/4"	4"	8	3/8"x1 3/4"	8	5/8"x2"
1 1/4"	...	...	4	1/2"x1 3/4"	5"	8	3/8"x1 3/4"	8	3/4"x2 1/2"
1 1/2"	...	...	4	1/2"x1 3/4"	6"	8	1/2"x2"	8	3/4"x2 1/2"
2"	...	...	4	5/8"x2"	8"	8	1/2"x2"	8	3/4"x2 1/2"
2 1/2"	...	...	4	5/8"x2"	10"	8	1/2"x2"	12	7/8"x3"
3"	4	3/8"x1 3/4"	4	5/8"x2"	12"	12	1/2"x2 1/2"	12	7/8"x3"
3 1/2"	4	3/8"x1 3/4"	8	5/8"x2"	...	...	...	...	...

*Bolts for No. C-440 same as C-441.

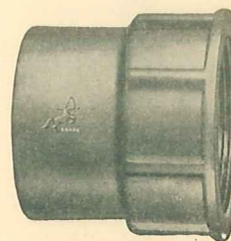
*Bolts for No. C-442 add 2 inches to C-441 lengths.



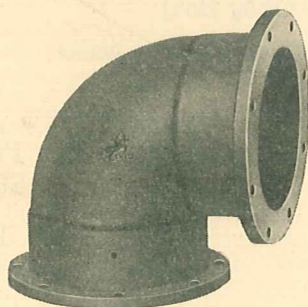
Style No. C-404



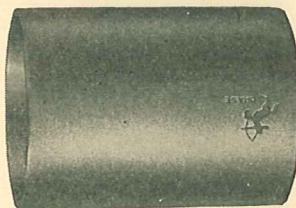
Style No. C-411



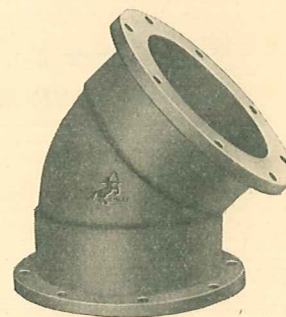
Style No. C-403



Style No. C-407



Style No. C-401



Style No. C-407-A

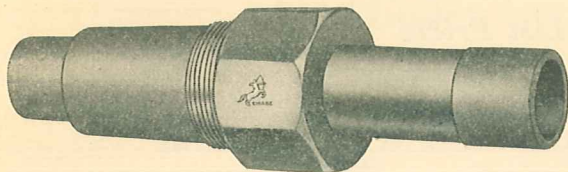
LIST PRICES

Style No.	Fittings	8"	Nominal Sizes	
C-401	Cast Coupling—Copper to Copper	\$13.00	10"	12"
C-403	Cast Adapter—Copper to Female	13.00	19.00	.....
C-404	Cast Adapter—Copper to Male	13.00	19.00	.....
C-407	Cast 90° Elbow—Copper to Copper	20.00	28.00	70.00
C-407-A	Cast 45° Elbow—Copper to Copper	20.00	28.00	70.00
C-411	Cast Tee—Copper to Copper to Copper	32.00	45.00	100.00
†C-417	Cast Reducer—Fitting to Copper	13.00	19.00	.....

†Not Illustrated.



Flanges and Expansion Joints

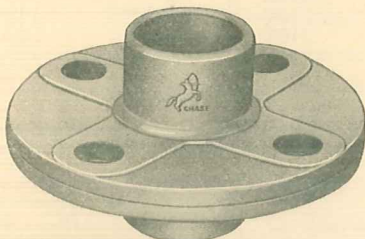


Style No. C-445

EXPANSION JOINT (LESS PACKING)

Nom. Size	List Price	Nom. Size	List Price
†1"	\$2.20	3"	\$12.00
†1 1/4"	2.60	3 1/2"	16.00
†1 1/2"	3.80	4"	20.00
†2"	4.30	5"	32.50
2 1/2"	9.00	6"	40.00

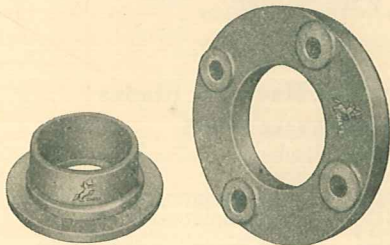
†With nut take-up as shown—other sizes with flange take-up.



Style No. C-440 (without bolts)

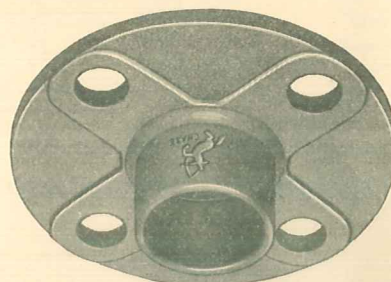
FLANGED UNION M. I. F. PATTERN

Nom. Size	Diam.	List Price	Nom. Size	Diam.	List Price
1"	3 25/32"	\$2.00	3"	6"	\$7.50
1 1/4"	4 1/2"	2.50	3 1/2"	7 1/8"	8.40
1 1/2"	4 9/16"	3.00	4"	7 11/16"	10.50
2"	5"	3.50	5"	9 5/16"	13.00
2 1/2"	5 9/16"	5.00	6"	10 7/16"	16.00



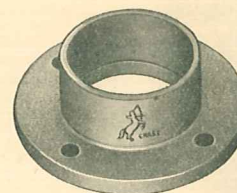
Style No. C-442 A.S.M.E. Drilling
STD. COMP. FLANGE BRONZE
INSERT AND CAST IRON RING

Nom. Size	Diam.	List Price	Nom. Size	Diam.	List Price
3"	7 1/2"	\$3.25	8"	13 1/2"	\$11.50
4"	9"	4.50	10"	16"	15.50
5"	10"	5.50	12"	19"	25.00
6"	11"	7.00			



Style No. C-441 A.S.M.E. Drilling
STANDARD COMPANION FLANGE

Nom. Size	Diam.	List Price	Nom. Size	Diam.	List Price
1"	4 1/4"	\$1.00	3"	7 1/2"	\$3.75
1 1/4"	4 5/8"	1.25	3 1/2"	8 1/2"	4.20
1 1/2"	5"	1.50	4"	9"	5.25
2"	6"	1.75	5"	10"	6.50
2 1/2"	7"	2.50	6"	11"	8.00



Style No. C-443
FITTING FLANGE R. P. M. STD.

Nom. Size	Diam.	List Price	Nom. Size	Diam.	List Price
3"	6"	\$3.00	6"	9"	\$6.75
3 1/2"	6 1/2"	3.50	8"	11"	9.50
4"	7"	4.25	10"	14"	13.00
5"	8"	5.25	12"	16"	18.00

OLYMPIC BRONZE BOLTS AND NUTS

Recommended for use with Flange Fittings because of corrosion resistance and high strength
See Page 18 for Size and Quantity Needed.

LIST PRICES (Including Nuts)

Size	3/8"x1 3/4"	1/2"x1 3/4"	1/2"x2"	1/2"x2 1/4"	5/8"x2"	3/4"x2 1/2"*	7/8"x3"*
List Price	\$0.11	\$0.19	\$0.20	\$0.21	\$0.39	\$0.43	\$0.69

*Made of Chamet Bronze



Tools and Materials

List Prices

Chase Sizing Tool

Required only when soft tubing is used

Style No. 480 for Type L Tube Style No. 481 for Type K Tube

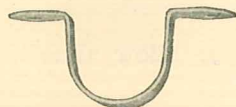


Sizing Tool

Article No.	Nominal Size	Actual Size	List Price	Article No.	Nominal Size	Actual Size	List Price
Style 481	Style 480			Style 481	Style 480		
2091	2084	$\frac{3}{8}$ "	\$0.65	2094	2087	$1\frac{1}{8}$ "	\$1.10
2092	2085	$\frac{1}{2}$ "	.80	2095	2088	$1\frac{3}{8}$ "	2.15
2239	2240	$\frac{5}{8}$ "	.90	2096	2089	$1\frac{1}{2}$ "	2.70
2093	2086	$\frac{3}{4}$ "	.95	2097	2090	$2\frac{1}{8}$ "	3.60

Copper Tube Straps

Style No. 1019

No. 1019
Copper Tube Strap

Article No.	Nominal Size	Actual Size	Per 1000	Article No.	Nominal Size	Actual Size	Per 1000
2098	$\frac{1}{4}$ "	$\frac{3}{8}$ "	\$18.00	2103	1"	$1\frac{1}{8}$ "	\$41.60
2099	$\frac{3}{8}$ "	$\frac{1}{2}$ "	22.50	2104	$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	64.00
2100	$\frac{1}{2}$ "	$\frac{5}{8}$ "	25.00	2105	$1\frac{1}{2}$ "	$1\frac{5}{8}$ "	74.00
2101	$\frac{5}{8}$ "	$\frac{3}{4}$ "	30.00	2106	2"	$2\frac{1}{8}$ "	94.00
2102	$\frac{3}{4}$ "	$\frac{7}{8}$ "	34.50				

Soldering Flux

Article No.
3911

Nokorode—2 oz. can \$0.15 ea

Steel Wool

Article No.
2133

No. 00 Steel Wool is recommended for removing oxidation from end or body of tube and inside of fitting. Package contains 16 convenient small rolls, weight per package 12 ounces.

One Package \$0.66

Chase Special Wire Solder

Article No.
3910One pound spool \$1.20
Subject to market changes

Chase 50-50 Wire Solder

Article No.
2183

One pound spool \$0.80

Chase Template and Special Hacksaw Blades

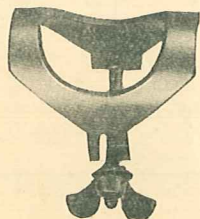
For use in cutting opening in tube for Tee

Article No.	Nominal Size	Actual Size	List Price	Article No.	Nominal Size	Actual Size	List Price
2107	$\frac{3}{8}$ " Template only	$\frac{1}{2}$ "	\$0.25	2115	$\frac{3}{8}$ " Template plus 3 blades	$\frac{1}{2}$ "	\$0.73
2108	$\frac{1}{2}$ " Template only	$\frac{5}{8}$ "	.30	2116	$\frac{1}{2}$ " Template plus 3 blades	$\frac{5}{8}$ "	.78
2109	$\frac{5}{8}$ " Template only	$\frac{3}{4}$ "	.32	2117	$\frac{5}{8}$ " Template plus 3 blades	$\frac{3}{4}$ "	.80
2110	$\frac{3}{4}$ " Template only	$\frac{7}{8}$ "	.35	2118	$\frac{3}{4}$ " Template plus 3 blades	$\frac{7}{8}$ "	.83
2111	1" Template only	$1\frac{1}{8}$ "	.40	2119	1" Template plus 3 blades	$1\frac{1}{8}$ "	.88
2112	$1\frac{1}{4}$ " Template only	$1\frac{3}{8}$ "	.60	2120	$1\frac{1}{4}$ " Template plus 3 blades	$1\frac{3}{8}$ "	1.08
2113	$1\frac{1}{2}$ " Template only	$1\frac{5}{8}$ "	.70	2121	$1\frac{1}{2}$ " Template plus 3 blades	$1\frac{5}{8}$ "	1.18
2114	2" Template only	$2\frac{1}{8}$ "	.95	2122	2" Template plus 3 blades	$2\frac{1}{8}$ "	1.43

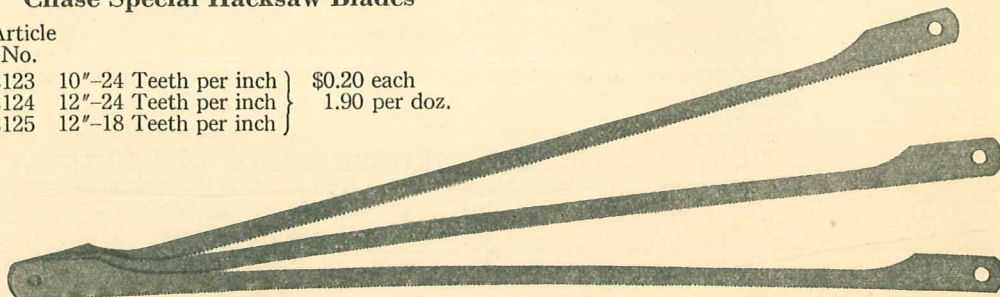
Chase Special Hacksaw Blades

Article No.

2123	10"-24 Teeth per inch	} \$0.20 each 1.90 per doz.
2124	12"-24 Teeth per inch	
2125	12"-18 Teeth per inch	



Chase Template



Chase Special Hacksaw Blades



Chase Copper Water Tube

Types K, L and M

SIZES		For Underground Services and General Plumbing Purposes with Severe Conditions. Used with Sweat or Flared Fittings		For General Plumbing Purposes. Used with Sweat or Flared Fittings		For General Plumbing and Heating Purposes, with Normal Water Conditions. Used with Sweat Fittings only	
		Type K Hard or Soft		Type L* Hard or Soft		Type M Hard	
Nominal Size Inches	Outside Diameter Inches	Wall Thickness	Pounds Per Ft.	Wall Thickness	Pounds Per Ft.	Wall Thickness	Pounds Per Ft.
1/8	.250	.032	.085	.025	.068	.025	.068
1/4	.375	.032	.133	.030	.126	.025	.106
3/8	.500	.049	.269	.035	.198	.025	.144
1/2	.625	.049	.344	.040	.285	.028	.203
5/8	.750	.049	.418	.042	.362	...	...
3/4	.875	.065	.641	.045	.455	.032	.328
1	1.125	.065	.839	.050	.655	.035	.464
1 1/4	1.375	.065	1.04	.055	.884	.042	.681
1 1/2	1.625	.072	1.36	.060	1.14	.049	.94
2	2.125	.083	2.06	.070	1.75	.058	1.46
2 1/2	2.625	.095	2.92	.080	2.48	.065	2.03
3	3.125	.109	4.00	.090	3.33	.072	2.68
3 1/2	3.625	.120	5.12	.100	4.29	.083	3.58
4	4.125	.134	6.51	.110	5.38	.095	4.66
5	5.125	.160	9.67	.125	7.61	.109	6.66
6	6.125	.192	13.87	.140	10.20	.122	8.91
*8	8.125	.271	25.90	.200	19.29	.170	16.46

* Present Government Specifications do not include sizes larger than 6" nor the Type L in Soft Temper.

Prices

Prices quoted upon application.

Temper

Chase copper water tube is usually furnished Hard Temper for use with Sweat Fittings.

Sizes up to 1 1/4" are also carried in stock soft temper in coils.

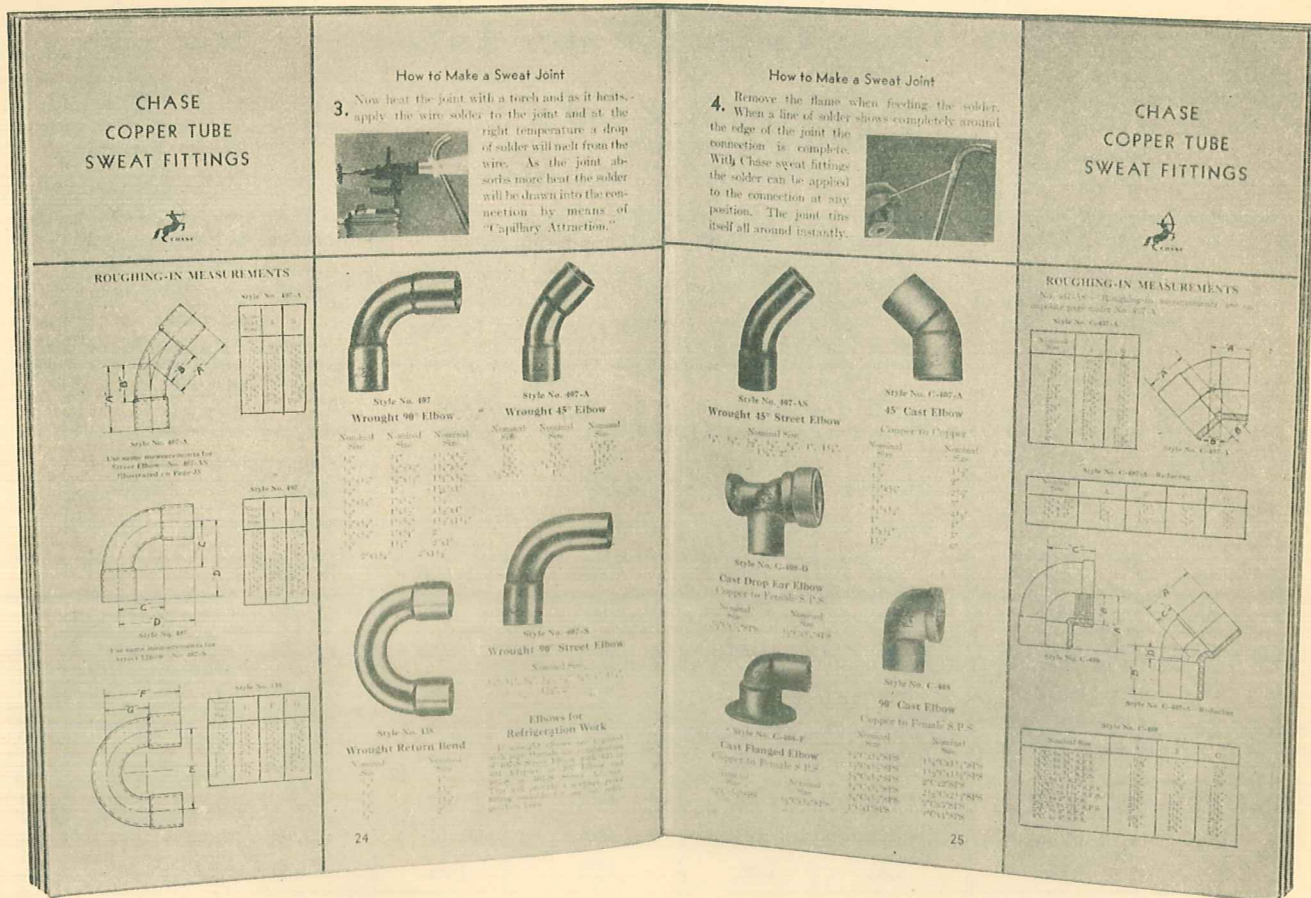
Discounts

Discounts to recognized jobbers will be furnished upon request.

Special Lengths

Chase copper water tube supplied in 20 foot straight lengths for sweat fitting work.

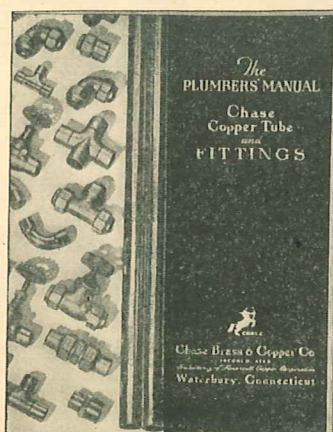
Special lengths can be furnished on mill orders.



Two sample pages of the
new Chase Plumbers' Manual

FREE!

New Plumbers' Manual on Copper Tube and Fittings



Completely covering the uses of both rigid and flexible copper water tube with Sweat, Flared and Underground fittings for plumbing and heating lines, oil burner installations, underground service lines, air conditioning lines, refrigeration systems and drainage work Contains sizes, illustrations, roughing-in dimensions and drawings of fittings and methods of installing Also the new copyrighted Chase Water Flow Tables If you haven't already received a copy, write for it or send in the coupon on the opposite page. We'll send you one FREE.



Please PRINT your name
and address on the coupon
clearly.

Chase Brass & Copper Co.
Waterbury, Conn.

PL

Please send me your new Plumbers' Manual on Copper
Tube and Fittings.

Name

Firm

Street

City State

Chase Warehouse Stocks

Chase Brass & Copper Co. operates 17 warehouses in principal cities throughout the country. Each warehouse carries a stock of Copper Water Tube Fittings and Copper Water Tube in sizes $\frac{1}{4}$ " to 2" inclusive for immediate delivery to plumbing supply jobbers. Fittings up to 4" are carried in some warehouses depending upon local demand. Chase warehouses and mills are located as follows:

NEW YORK, N. Y.

80 Lafayette Street
Tel. WOrth 2-3600

BOSTON, MASS.

411 "D" Street
Tel. LIBerty 0129

NEWARK, N. J.

361 Halsey Street
Tel. MArket 2-8100

PHILADELPHIA, PA.

46 North 6th Street
Tel. (Bell) LOMbard 8780
(Keystone) Main 5746

BALTIMORE, MD.

Lombard and South Streets
Tel. PLaza 7777

PITTSBURGH, PA.

855 West North Ave.
Tel. CEdar 7900

CINCINNATI, OHIO

222 Post Square
Tel. PArkway 3326

CLEVELAND, OHIO

5005 Superior Ave.
Tel. HEnderson 0932

DETROIT, MICH.

2798 E. Grand Blvd.
Tel. MAdison 1052

CHICAGO, ILL.

1300 W. Harrison Street
Tel. HAYmarket 4550

MILWAUKEE, WIS.

433 North 2nd Street
Tel. DALy 3587

MINNEAPOLIS, MINN.

145 North 10th Street
Tel. Minneapolis, GENEva 4376
St. Paul, MIDway 6777

ST. LOUIS, MO.

314 North 2nd Street
Tel. GARfield 4353

NEW ORLEANS, LA.

429 Camp Street
Tel. RAYmond 5191

LOS ANGELES, CAL.

210 South Central Ave.
Tel. MICHigan 3886

SAN FRANCISCO, CAL.

680—2nd Street
Tel. GARfield 7780

SEATTLE, WASH.

1957 First Ave., South
Tel. SENEca 0164

MILLS: Waterbury, Conn. and Cleveland, Ohio

Chase Brass & Copper Co.

— INCORPORATED —

Subsidiary of Kennecott Copper Corporation
Waterbury Connecticut